

Morton, William Thomas Green

77

BEFORE

THE

Commissioner of Patents.

IN THE MATTER OF

EXTENSION OF LETTERS PATENT OF THE
UNITED STATES, GRANTED TO WILLIAM
T. G. MORTON, ON THE 12TH DAY OF
NOVEMBER, 1846, FOR "AN IMPROVE-
MENT IN SURGICAL OPERATIONS."

STATEMENT AND ACCOUNT,

PURSUANT TO SECTION EIGHTEEN OF THE ACT
OF CONGRESS, PASSED JULY 4, 1836.

B. & S. D. COZZENS, OF NEW YORK,
Counsel for Application.

NEW YORK:
H. S. TAYLOR, PRINTER AND STATIONER,
83 JOHN STREET, CORNER OF GOLD.
1860.

WDA

M891b

1860

Before the Commissioner of Patents.

IN Matter of Extension of Letters
Patent of the United States, granted
on the 12th day of November, 1846,
for "An Improvement in Surgical
Operations."

SWORN STATEMENT AND ACCOUNT,

Pursuant to Section Eighteen of the Act of Congress, 1
passed July 4, 1836.

To the Commissioner of Patents:

WILLIAM T. G. MORTON, of Boston, in the County
of Suffolk, and State of Massachusetts, an Applicant
herein, respectfully represents:

That several of the early years of the life of your said 2
applicant were occupied by him in the practice of dental
surgery, and since, as is well known, many of the ordinary
operations thereof are extremely painful, and are sometimes
quite severe, it early occurred to your said applicant that
the discovery of an agent which would with safety pro-
duce in the human subject insensibility to pain, for a

3 period sufficiently long to admit of the performance of ordinary operations, would be of inestimable value.

Up to the period when, as before stated, the attention of your said applicant was directed to this subject, nothing had been, with any marked success, accomplished in this field of investigation. It is well known that from the earliest existence of medicine as a science, it had been the aim of many experimenters at different epochs and in
 4 different countries, to discover an agent which would produce deadening of nervous action, and which could practically be applied to the relief of human suffering. History proves that from a date as ancient as the time of Hippocrates, these attempts were frequent and persevering. A great variety of vegetable and chemical substances were, during this period, sought to be applied to this object. Different narcotics and stupifying drugs were employed, among which were most prominent the
 5 plant mandragora, or mandrake, the poppy, and especially the Cannabis Indica, or East Indian Hemp; this last being particularly potent, though dangerous, in its effects. But though in the earlier and unlearned ages of medical science these substances, in spite of their extremely imperfect and almost universally injurious results, were nearly exclusively relied upon for the production of nervous insensibility, as civilization increased and knowledge became less contracted, these rude and barbarous
 6 applications were discarded, and medical practitioners generally had acquiesced in the belief that no agent could be discovered which could be applied for this purpose with safety and success, and for a very long period anterior to the said patented discovery herein referred to, the only substance at all relied upon to produce relief in surgical operations, was opium. The effects of mesmerism, of intoxication produced by alcoholic stimulants,

the local application of intense cold, or of severe compression, and even the introduction of certain gases into the lungs of the patient, were all proposed or tried for the accomplishment of a practical insensibility to pain, but the imperfection and inadequacy of all these means soon led to their abandonment. So far as your said applicant is aware, for a long time prior to the introduction of the said discovery, hereinafter to be described, opium, as before stated, was the only agent which the enlightened practitioner employed, and the use of this was by no means frequent, and was never considered safe or adequate to the purpose. It was necessary to administer it in quantities sufficient to carry its effects far enough to produce actual stupefaction—without which no real insensibility to pain could be secured—and this could not be done without imminent risk to the life of the patient. Moreover, its action is uncertain both as to time and to degree; it possesses poisonous properties, and its use gives rise to many inconveniences and troubles. These considerations combined to cause it to be employed as seldom as possible, while, even when it was used, the extreme danger attending it deterred from administering sufficient to effect complete insensibility, and hence the patient felt a great degree of pain in spite of its use. Yet, notwithstanding the obvious imperfections of opium for this purpose, it was universally conceded to possess marked superiority over all the other above referred to pain-relieving agents, so exceedingly inadequate had the latter been demonstrated to be.

In this unsatisfactory condition was this branch of science at the time of the making of the experiments which resulted in said discovery.

The common use and the effects of ordinary sulphuric ether as applied locally and externally to diminish pain,

11 were well known to your said applicant, and, on one occasion, having been called upon, in the course of his dental practice, to perform an especially painful operation, your said applicant made use of such an application of this agent to relieve a patient, and having from the severity of the pain felt by the latter employed it somewhat more freely than was usual, was surprised to find that the surrounding parts were quite thoroughly be-
 12 numbed by it. The idea then immediately occurred to your said applicant that if the whole system could be brought equally under similar influence, a most valuable pain-relieving agent would be developed, and that possibly it might be carried to the extent of completely assuaging physical suffering in every form of surgical operation, and yet be attended with entire safety.

The difficulty which first presented itself to your said applicant in attempting to reduce this suggestion to practical application, was to devise a means whereby the
 13 whole body could be properly subjected to the action of the ether, it being impossible, practically, to immerse the patient in it, and it appearing doubtful whether it could be washed over the particular parts sought to be affected, in quantities sufficient to produce the result desired. Your said applicant, however, devoted himself at once, after the idea referred to occurred to him, to devising a
 14 method by which the benumbing effect of the sulphuric ether could be readily, efficiently, and safely applied so as to produce quiet of nervous sensibility through the entire system, by which alone could a genuine relief from pain be secured, since every merely local application of the ether must produce only a partial and highly imperfect result.

In pursuance of experiments and investigations upon this subject, your said applicant procured all the books

which he was able to find tending to throw light upon 15
 the matter, and by examination of them, learned that
 sulphuric ether was a powerful anti-spasmodic anodyne
 and narcotic capable of producing, when *inhaled*, in-
 toxication and stupefaction. Your said applicant, there-
 fore, proceeded to verify the information thus obtained
 by a variety of experiments upon birds and other
 animals, these investigations occupying much of his time
 during the year 1844. None of these experiments proved 16
 successful to any satisfactory degree, but soon after, in
 the winter of 1844—1845, your said applicant, while still
 speculating upon the causes of these failures and the
 probable means to be adopted to realize practically the
 result which his investigations convinced him could be
 accomplished, found himself embarrassed by his lack of
 the requisite medical knowledge to prosecute said re-
 searches understandingly, and joined the medical school
 of Harvard University, in Massachusetts, for the pur- 17
 pose of acquiring such knowledge, and while attending
 lectures in the winter before referred to, witnessed an
 exhibition, before the class of which he was a member, of
 an application of nitrous-oxide gas for the purpose of
 extracting a tooth without pain. The attempt failed, but
 it served to impel your said applicant to renewed exer-
 tion, and in view of the statement contained in the works
 before referred to, that ether could be inhaled so as to
 produce stupefaction, and aided by the experiment with 18
 the nitrous-oxide, which had furnished to him an in-
 stance in a human subject of inhalation of an agent some-
 what analogous, he determined to make trial upon him-
 self of the quantity of ether which he believed could be
 inhaled without injury even when carried to complete
 insensibility, and to ascertain whether such an insensi-
 bility could be produced by this mode of administering

19 it as would enable an operation to be performed without pain.

Your said applicant continued to thus experiment upon himself until convinced that sulphuric ether might be inhaled with safety, and would probably produce sufficient insensibility to permit operations to be performed without pain ; but it still required further experiment upon other persons before the success of your
20 said applicant's investigations could be assured, since it is obvious that when experimenting upon himself he could not test the extent of the insensibility by performing an operation upon his own body. But about this time, which was in the summer of 1846, your said applicant, having made certain experiments upon other persons, ascertained that in order to produce a certain and effectual insensibility, the ether inhaled must be *chemically pure*, whereas in his experiments previously, being un-
21 aware of this fact, he had employed the ordinary ether of commerce, which is more or less impure, containing foreign substances, and by reason of this your said applicant did not at first succeed satisfactorily in his experiments upon other persons, two of these experiments, made on different subjects, having failed discouragingly. This led your said applicant to speculate upon the probable cause of the difference in the effect produced by the ether when inhaled by himself and when adminis-
22 tered to the other persons. It finally occurred to him that the ether which he had employed upon himself had been prepared with particular care by the party from whom he had obtained it regularly theretofore, but that the ether used in the experiments upon the other subjects referred to, had been procured at a different place and might not be so pure. Upon causing an analysis of the latter to be made, this was found to be the fact, and

at the next opportunity he repeated his experiments 23
 upon human subjects by administering ether which had
 been prepared by the same chemist who had at first supplied him, to a patient who wished to have a tooth extracted without pain. The operation was one well calculated to test the sufficiency of the ether to produce a reliable and harmless insensibility to the pain of surgical operations, and was in the highest degree successful, no 24
 pain whatever being experienced by the patient and the experiment being attended with no injurious results in any respect. This was on the thirtieth day of September, 1846, and was considered by your said applicant as the first demonstration of this new fact in science.

After this date many other experiments and trials of the anæsthetic properties of sulphuric ether were made by said applicant upon different persons, the results of which placed, in his opinion, beyond doubt, the certainty 25
 as well as the immense value of the said discovery.

Shortly after this, your said applicant, desirous of bringing said discovery before the public, obtained permission to administer the ether to a patient at one of the clinical lectures at the Massachusetts General Hospital, in the city of Boston, so that an operation might be performed in the presence and with the co-operation of the eminent surgeons connected with that institution, for the purpose of publicly demonstrating the value and 26
 character of the new discovery. Accordingly, on the sixteenth of October, 1846, an operation took place at the said hospital, which was in the highest degree successful, your said applicant having administered ether by inhalation, and a long operation being completed satisfactorily, without the slightest pain being felt by the patient. A large number of the most eminent surgeons of Massachusetts were present, and witnessed the

27 trial, unanimously indorsing the value of the aforesaid improvement, and from this time the said discovery of the anæsthetic properties of sulphuric ether, when inhaled, to cause insensibility to pain during surgical operations, became a recognized fact in science.

Your said applicant further represents, that having, in the manner aforesaid, secured the recognition of his title to the making of said discovery by said Massachusetts General Hospital, the publicity thereby given to the same induced other parties to seek to obtain for themselves the credit of having been the sole originators of a discovery of such extended value as that of your said applicant at once appeared to be. That these efforts to deprive your said applicant of his due share of the merit thereof were continued with pertinacity for a period extending from shortly after his reception of a patent therefor, as hereinafter mentioned, until a very recent period, and though your said applicant has at length, as he believes, succeeded in overcoming said unfounded claims, he has been enabled to do so only by the most unremitting personal exertions, and the expenditure of large sums of money in the obtaining of testimony to establish his own claims, and to contradict those of his said opponents. That said expenditures, as will be seen by reference to the annexed account, extended over a long period and formed one of the chief items of the entire expense of your said applicant, by reason of said discovery, and were entailed upon him solely by the fact that his efforts to introduce said discovery to the public were successful, and consequently established widely that his said discovery was one of value, for which reason others were induced, as aforesaid, to claim it as solely their own.

Your said applicant further represents, that upon

the maturity as aforesaid of the said discovery, Letters 31
 Patent of the United States were, upon due proceed-
 ings had therefor, issued to him for said discovery, but
 as in the making thereof he had derived certain aid
 from Doctor Charles T. Jackson, of Boston aforesaid,
 said Jackson and your said applicant jointly made ap-
 plication for such letters patent, and in pursuance of
 an agreement between said Jackson and your said appli-
 cant, said Jackson, at or about the time of the making 32
 of said application, duly assigned to your said applicant
 all the right, title, and interest whatever of the said
 Jackson in the said discovery or invention, and in and
 by the said assignment requested and authorized the then
 Commissioner of Patents to issue such letters patent to
 and in the name of your said applicant and his legal
 representatives alone, as by reference to said assign-
 ment duly on file will fully appear. That thereupon
 on the 12th day of November, 1846, letters patent of 33
 the United States, as aforesaid, entitled, for "An Im-
 provement in Surgical Operations upon Animals," were
 duly issued and delivered to your said applicant, as
 aforesaid, for the said discovery, to which said letters
 patent, also duly on file, your said applicant refers.

That upon the granting of said letters patent, your
 said applicant immediately made vigorous exertions to
 introduce said discovery to the public, and promulgate
 information of the same and of its benefits and the 34
 best modes of applying it, throughout the country, and
 believing that the diffusion of pamphlets, setting forth
 the characteristics of the said sulphuric ether and its
 mode of action and effects upon the human system, and
 the apparatus requisite to its due and successful adminis-
 tration, would be the most effectual means of bringing
 the said discovery in the most thorough manner to the

35 knowledge of the public, caused large numbers of books and other printed matter to be published and circulated in all sections of the country. That great expenditures for this purpose were, from the commencement of the existence of the said patent, incurred by your said applicant, for the details of which he refers to the account of expenses by reason of said discovery, hereto annexed. That your said applicant believes, and always has be-

36 lieved, that said expenditures were absolutely essential to introduce the said discovery to the public, and your said applicant represents that the effect of them and of the other steps also at the same time taken by your said applicant to bring said discovery to the notice of the public, was to almost immediately attract universal attention thereto, and to lead the same to be everywhere discussed and investigated. That as it was obvious that

37 covey was more fully understood than was practicable upon the first introduction thereof, it might fail of success by reason of ignorance or inexperience on the part of those attempting to employ it, your said applicant early found it to be necessary to employ young physicians, at a large salary, who had been instructed by your said applicant in the application of said discovery, to travel about the country and bring said discovery to the notice of medical and surgical men everywhere, and teach the latter

38 the proper method of employing the same in their practice. That your said applicant therefore provided these parties with large quantities of sulphuric ether, and with numbers of the peculiar apparatus employed for administering the same, and constituted them his agents to visit different sections of the country, to induce all persons whom they could to make use of the said discovery, and to sell licenses to use the same for the account of your

said applicant. That the ether and inhaling apparatus 39
 so furnished to said agents by your said applicant were
 extremely expensive, the ether being, as before herein
 stated, necessarily chemically pure, in order to produce a
 proper anæsthetic effect, and in this form commanding a
 very high price, and the inhaling apparatus also costing
 large sums. That said agents were necessarily furnished
 with said ether and apparatus at the sole expense of your
 said applicant, and as it was from the first indispensable 40
 to the introduction of the said discovery, that medical
 and surgical operators throughout the United States
 should have put into their hands every facility to the
 employment of the same, in order that no lack of in-
 formation respecting it should impede its diffusion, most
 of the said agents and other suitable parties were in-
 structed by your said applicant to give said ether and
 apparatus, without charge, to all proper persons who
 would make use of them in testing and introducing the 41
 said discovery. That this thus speedily became a large
 item in the expenditures of your said applicant by
 reason of said discovery, as will be seen by reference to
 the said account, but that the good effect of the course
 thus taken by your said applicant was soon apparent in
 the general attention in this manner, in the early exist-
 ence of the said patent—to wit, in the years 1846, 1847,
 and a little later, attracted to the said discovery. That
 these agents were constantly employed as aforesaid by 42
 your said applicant until, for the reasons hereinafter set
 forth, it became necessary to discontinue their operations.
 That during the entire time they were so engaged in
 relation to said discovery, your said applicant was com-
 pelled to pay them large salaries, ~~and~~ as they mostly
 all were, necessarily, physicians of professional educa-
 tion and good talents and social position, it being

43 indispensable that the services of parties of such character should be secured, in order that by their indorsement and influence confidence might be inspired in the said discovery, it being at first generally regarded with apprehension and distrust. That many of said agents were taken by your said applicant from their private practice to engage in the efforts aforesaid, and consequently demanded large compensation, and, in many
 44 instances, your said applicant was forced to offer, in addition to a handsome salary to be paid absolutely a per centage upon the sales of rights to use said discovery, which such agents might make, in order to induce parties of the requisite qualifications to engage in said undertaking. Moreover, in all cases, your said applicant was compelled to pay, and he did pay, all the traveling expenses of the said agents. For these reasons, it will be obvious that the expenses
 45 of your said applicant, in his aforesaid efforts to introduce said discovery, were necessarily large, and for the details thereof he refers to the said annexed account.

Your said applicant further represents that after his experience in the practical administration of the said sulphuric ether had become more extended, he ascertained that the before referred to inhaling apparatus, which were elaborate and, as before stated, very expensive, was not best adapted to the employment of said discovery,
 46 but that simply a sponge saturated with said ether and applied directly to the mouth and nostrils of the patient, which said method has ever since been continued, was the most satisfactory mode of administering the same. That consequently all the aforesaid apparatus purchased or contracted for by your said applicant, a large amount of which was on hand or in process of manufacture, was

necessarily abandoned, causing to your said applicant a 47
very considerable loss.

Your said applicant further represents, that by said
persistent and systematic efforts of your said applicant, the
said discovery soon became widely known throughout the
country, and during the latter part of the year 1846 and
the year 1847, a very large number of licenses to use
said discovery were sold in different parts of the United
States by your said applicant and by said agents, all of 48
which are set forth in due detail in said account. But
your said applicant represents, that though all possible
precaution was taken by him in regard to said sales, it
frequently happened, since it was often necessary to take
from such licensees notes and other securities in payment
instead of cash, that such obligations were not met by
the parties giving them, by reason of the fact that the
opposition which was afterwards encountered by your
said applicant in substantiating his claims to the said dis- 49
covery, as hereinafter set forth, caused for a series of
years doubts in the minds of many as to the validity of
the said patent, which doubt was made the pretext, by
many of said licensees, for not paying to your said appli-
cant the sums agreed upon as the consideration of said
licenses, and from a large number of such sales your said
applicant has never been able to realize any but a small
part, and in some instances he has received no portion
whatever of said sums, and as they were generally in 50
each particular case of but small amount, though amount-
ing in the aggregate to a considerable sum, the cost of
collecting the same, by legal proceedings, would have
greatly exceeded the amount recovered. In some in-
stances, the parties taking licenses were found to be un-
able to pay your said applicant therefor, and the losses
to your said applicant from these two causes combined

51 were, in a single year or thereabouts, of very considerable amount, the same being the deficit in said time between the outlay of your said applicant for said agents and said ether and apparatus, and the amount realized by him from said sales.

That during the whole of the time above referred to, your said applicant, as aforesaid, was continually circulating throughout the country various printed publica-
 52 tions calculated to bring said discovery into use, and was procuring to be published in leading journals, in various quarters, articles setting forth the results and benefits of said improvement, and personally visiting many sections of the United States, and corresponding in relation to said improvement with prominent persons in various places, and urging its adoption, and vindicating its safety and important results. That further to bring the same before the public, your said applicant constantly in
 53 his practice as a dentist as aforesaid, and also in many hospitals and for numerous physicians, administered said ether to patients, and also caused to be fitted up, at considerable expense suitable rooms adjacent to his office in the said city of Boston, for the purpose of applying the said discovery, to perform operations upon all who might attend for that purpose, and at the same time employed several assistants to take charge of said operations, to whom, since they nearly all were, necessarily, educated
 54 physicians, your said applicant was compelled to pay a considerable compensation, but, at the same time, was not able to realize from said operations any but the most trifling sums, as until the success and safety of the said discovery became universally assured, persons were unwilling to pay for the application of the same, but in great numbers of such cases consented to it only from cu-

riosity or at the earnest solicitation of your said applicant 55
or his said assistants.

That by means of the efforts and expenditures thus detailed, your said applicant succeeded in bringing prominently before the public the said discovery, and would undoubtedly have soon commenced to realize therefrom an adequate return for his exertions in relation to the same, but that the publicity given thereto by his said efforts and the consequent attention attracted to your said 56 applicant, aroused against him a most formidable opposition, which manifested itself first in an organized attack upon your said applicant and the said discovery on the part of a large number of the dental profession in said city of Boston, of which said profession your said applicant, as before stated, was a member. This attack and the opposition from this source was followed up for a great length of time with persistent virulence, its originators asserting, and professing to cite, authentic and con- 57 clusive instances of actual cases in which the said discovery had produced the most dangerous effects upon patients who had been treated with it. Published matter was circulated by these parties throughout the country with the design and result of stirring up a general feeling of distrust of and hostility to the said discovery, and to such an extent were these measures carried that in a short time a violent tide of public feeling was excited against said discovery, to overcome which all the time 58 and efforts of your said applicant were required for a protracted period. Widely circulated articles in leading medical journals in different parts of the United States were published setting forth the danger of the new agent and strongly urging the abolition of all use of it on the part of the medical profession, and the discountenancing of it by the public at large. That in consequence of the

59 general suspicion aroused against the same by these persistent and systematic attacks, your said applicant speedily found the public feeling growing hostile to said discovery, and to such a degree that in a short time patients wholly ceased to visit the offices of your said applicant fitted up by him, as before stated, in said city of Boston, expressly for the purpose of administering therein said sulphuric ether for the object of introducing
 60 knowledge of the same to the public in a speedy and effectual manner, as before herein set forth. That hence your said applicant was forced to relinquish said rooms shortly after first opening them, and as he received almost no compensation for said operations therein with said ether, as before stated, the expense of fitting up the same and the payments upon the lease thereof which he was obliged to make—all which amounted to a large sum as appears in the annexed account, became a direct loss
 61 to your said applicant in his said efforts to introduce said discovery.

That it at once became apparent that the only effectual means of refuting the before-referred-to assertions of said opponents of your said applicant, and of resisting their said attacks, was to spread over the country the actual facts relative to the practical results and successes of said discovery, and by thus disseminating the well-authenticated proofs thereof, to silence the false charges
 62 which were rapidly having the effect of causing said discovery to fall into disuse by the public. Your said applicant therefore at once caused to be prepared, and printed and distributed to every section of the country and to every person upon whom, either from his influential position or his scientific reputation, or from any other cause, it seemed desirable to produce a particular effect, large numbers of documents setting forth in full

detail the chemical properties and constituents of said sulphuric ether, the effect and the manner of operation of the same in producing anæsthesia upon the human subject, and containing detailed and authenticated reports of all the effects resulting from its application to perform surgical operations, and accurate accounts of a very large number of cases actually occurring in the practice of your said applicant and of other physicians, also including therein the opinions and experiments of the most distinguished European physicians who at an early date became almost unanimously strong advocates of said discovery. That the cost of preparing and distributing said documents—the necessity for them existing as before said for an extended length of time—was very great and nearly exhausted the means of your said applicant. And your said applicant for full details of said expenditure refers to the annexed account, and he further says that he verily believes that but for his said efforts at this time and in said manner, the said discovery would have been driven out of use and the public deprived of the benefit thereof.

Your said applicant further represents that his said efforts and publications and especially, perhaps, the influence upon medical men of the United States of the before-mentioned opinions and successes of the said European physicians in respect of said discovery, ultimately overcame all general opposition to said discovery, and after American medical practitioners had been persuaded to give the same an impartial trial, quieted nearly all apprehension as to danger from its use and gradually led to an almost universal recognition of its great value.

That the importance of your said applicant's said discovery having thus been finally established, it speedily met with the recommendation of the medical officers of

- 67 the National Government, and was by the authorization of the proper Departments introduced into the public service in the Army and Navy, but without any compensation being then or ever made to your said applicant for such appropriation of his said discovery and without reference to the lawful protection thereof which he had secured by the Letters Patent aforesaid. That the public being early apprised of this disregard by Government of
68 its own grant, a general impression at once prevailed that the said discovery might be freely used by all without payment, and consequently your said applicant immediately found it impossible to dispose of any more licenses to use the same, and as his before referred to agents had only been induced, as already set forth, to undertake selling rights under said patent upon condition that their expenses should be paid by your said applicant in addition to their said salaries, and as all necessity for further
69 employing them had ceased since the said discovery had now become widely introduced, but no more licenses could be sold under said patent, your said applicant was forced to recall them, paying their entire expenses back, yet realizing from their efforts merely a sum wholly inadequate to recompense him, as before set forth, for even the actual disbursements attending said employment of them, and your said applicant refers to said account for the particulars of said expenditure for said purposes.
- 70 Your said applicant further represents that from the inception of said discovery, he had, by reason of its peculiar character, felt desirous that its benefits should be as widely as possible extended—to the poor as well as to the rich—and preferred to rely upon the action of the General Government, so long as there seemed a reasonable prospect thereof, for the compensation due to him for the time, ingenuity and expense bestowed by him

upon the said discovery and the introduction thereof into 71
 use, rather than upon the modes usually employed for
 the protection and assertion of patented property. That
 when therefore he learned that the National Government
 had as aforesaid appropriated the said discovery, your
 said applicant, strongly urged by many friends and by
 parties of high official position, determined to appeal to
 Congress for remuneration for his labors in making and
 communicating to the public his said discovery. That 72
 though his means were entirely exhausted by his before-
 recited efforts to bring said discovery before the public,
 certain of his friends were induced to advance to him a
 part of the necessary sums to enable him to prosecute his
 said appeal to Congress, which he at once proceeded to
 do. That many applications to that body were made by
 him during a period extending from about the first part
 of the year 1847 to the commencement of the year 1854,
 and as these had for their object the sale of the entire 73
 patent of your said applicant to Government and the
 payment to him therefor of a considerable sum of money,
 your said applicant during said period devoted nearly the
 whole of his time and exertions to the prosecution of the
 same and to the necessary steps involved therein to es-
 tablish his claims to the authorship of the said discovery
 —the same being again disputed by the same opponents
 who as before stated had contested his said claims from
 the first general recognition of the said discovery. That 74
 during the whole of this time, your said applicant found
 it necessary, in order to refute said pretended claims, to
 prepare and distribute many other pamphlets and docu-
 ments of various descriptions, and which involved him in
 large expenditures, as will be seen by reference to said
 account. That the expenses of the establishing as afore-
 said the said claims of your said applicant were ~~also~~ very

- 75 large, as, acting under the legal advice of the late Hon. Rufus Choate and Wm. Whiting, Esq., your said applicant was obliged to take the testimony of numerous witnesses in Boston aforesaid and in Hartford in the state of Connecticut, all which was necessarily attended with large disbursements ^{to} counsel and magistrates in taking said testimony and ~~to~~ for other expenses relating thereto, for full details of which your said applicant refers to the said annexed account.
- 76 That although said proceedings of your said applicant resulted in a thorough vindication of the claims urged by him, his said application to Congress to induce that body to decide to purchase the said patent was entirely fruitless, notwithstanding that the matter was several times referred to and received the sanction of Congressional Committees appointed for the purpose, and was also favorably acted upon by the Senate.

- That after thus spending seven years in said efforts
- 77 to realize some compensation for said discovery, and having therein expended the large sums set forth in said account, your said applicant, encouraged by very strong assurances of success held out to him, determined to address the Executive Departments of the Government, and induce them, if possible, to make the purchase of said patent. That he accordingly took immediate steps to this end, transmitting, on the 15th day of June, 1854, to the President of the United States,
- 78 and the respective Secretaries of War, the Navy, and the Treasury, a memorial, strongly indorsed by a majority of the members of each branch of Congress, praying that the purchase of said patent for the public service might be made, and a proper compensation awarded therefor. That much time was consumed in the deliberation of said Secretaries upon said memorial, and in the references ordered by them to seve-

ral officers of Government for information upon ques- 79
 tions involved therein, but that finally, after long delay,
 the entire matter was referred back by said Departments,
 after being favorably reported upon by them, to the
 President of the United States, for his concurrence.
 That the President, although expressing himself favor-
 able to causing said purchase to be made, desired,
 before giving his final assent, that certain preliminary
 questions should be satisfactorily settled; the first of 80
 which was, whether the application of all anæsthetic
 substances was covered by said patent; and the only
 other of which was, whether compensation for use of
 said patent could be legally compelled; to determine
 which latter inquiry a suit against some government
 officer who might be making use of said patent, was
 recommended. That though professional opinions upon
 both these points of parties of unquestioned ability,
 were tendered to the Executive, no effect was produced 81
 thereby, and after this final failure of your said appli-
 cant to procure a favorable action from Government in
 relation to the purchase of said patent, and after in-
 creased expenditures on his part had been necessitated
 thereby, and a period of about two years, extending to
 the early part of the year 1856, had elapsed, your said
 applicant was compelled to abandon all hope of obtain-
 ing compensation for said discovery and patent from
 the Government, without having realized from said dis- 82
 covery even a small proportion of his actual necessary
 expenses by reason thereof. That thereupon, by advice
 of counsel, your said applicant commenced legal proceed-
 ings in the United States Circuit Court for the District
 of Massachusetts, against an officer of the Government,
 who was in the use of said patent within said District,
 and recovered judgment for such infringement against

83 said officer. That though said action was brought on
 as speedily as your said applicant was able to do, the
 said judgment was not, in consequence of said action
 not being sooner reached in said Court, rendered until
 the 16th day of May, 1859. That the amount recovered
 in said judgment was one hundred dollars, but that no
 part of the same has been paid to your said appli-
 cant, as he felt unwilling to compel an individual who
 84 had only made use of said patent in the service of the
 Government, to respond from his private means thereto,
 and as Government declined, notwithstanding the assur-
 ances previously held out to your said applicant, as
 before stated, to assume the responsibility of any such
 recoveries. That consequently, as said recovery was
 designed principally for the purpose of establishing the
 requisite legal basis for further proceedings in equity
 to restrain infringements of said patent, your said ap-
 plicant, by the advice of his counsel, released to the
 85 afore referred to defendant, the amount of said recovery.

That immediately upon the rendition of said judg-
 ment, your said applicant, and his counsel, commenced
 the requisite steps to bring suits in equity to restrain
 the infringement of said patent, but before the pre-
 liminary preparations therefor were completed, the ex-
 pense requisite to the same was found by your said
 applicant to exceed the means at his disposal, he not
 86 being able to pay his said counsel for their services.
 That by reason thereof, he was forced to suspend said
 proceedings temporarily and at once devoted himself to
 efforts to raise the funds necessary to carry on the
 same, also endeavoring to induce sundry wealthy institu-
 tions which had long been infringing said patent, to
 settle with, and pay your said applicant therefor, with-
 out suit. That after some time thus spent by your

said applicant, he found that it was indispensable, to 87
 give said institutions and other parties a proper understanding of the justice of his claims—so much had they been and still were being denied and opposed by interested parties—that a detailed account of the whole merits thereof should be placed before them, and as the only possible way of doing this was by printing the same, your said applicant, urged by the advice of many influential personal friends, and by his 88
 counsel, who all informed your said applicant that such a printed detail thereof was not only indispensable to the effecting of any settlement under said patent, but was also absolutely necessary for enabling his counsel to properly conduct legal proceedings to enforce said patent, with much labor caused to be prepared and printed the book referred to in the annexed account, called “Discovery of Etherization,” and thereby was enabled by employing said book to complete a settlement for 89
 use of said patent by the Board of Ten Governors, so called, having charge of the municipal medical institutions of the city of New York, which had been for some time under negotiation, but was being delayed, and would not, in all probability, have been terminated favorably, but for the agency of said book. That the amount recovered by said settlement was the sum of fifteen hundred dollars, but the whole thereof, and a considerable additional sum, was expended in the pre- 90
 paration and publication of said book, and for the details of said expenditure your said applicant refers to said account.

That your said applicant, not deriving any funds from said settlement towards the prosecution of said suits, and not being able to make other settlements, continued his efforts to raise means from other sources to carry on said

- 91 litigation, but not until the month of April, 1860, or thereabouts, was your said applicant able to make any arrangements for the sums necessary to proceed with said litigation, and then only by the voluntary assistance of a personal friend of your said applicant, through whose efforts a party in whom your said applicant and his said friend supposed confidence might be placed, was procured who agreed with your said applicant to pay, from time to
- 92 time as might be required, the necessary disbursements for said suits, to the amount of one thousand dollars, to guaranty which said sum, securities satisfactory to said party were, by the aid of your said applicant's friend before referred to, procured and deposited with him by said applicant. That immediately thereupon your said applicant re-commenced said legal proceedings, but after a part only of said money had been paid therein by said party, all further payments, in spite of his said agree-
- 93 ment, were refused, and though the same have repeatedly been demanded of him, they still remain unpaid, and your said applicant has not the means to enforce said agreement, and said proceedings have consequently ever since been suspended, your said applicant not having, as before stated, the means to prosecute the same.

- Your said applicant further represents that, in regard to the ascertained value of the said discovery, which he is advised by his counsel it is necessary to state upon this
- 94 application, in his judgment the same will best be understood by the Commissioner of Patents by a statement of the result of a careful compilation recently caused to be made by your said applicant of the actual number, so nearly as the same could be ascertained, of surgical cases in which the said discovery has been successfully employed in institutions in the city of New York.

That it was not possible for said computation to be

obtained as respects more than eight of said institu- 95
 tions, but that as to those, their official returns show,
 upon the basis of their reports of 1857, 1858, and 1859,
 that they have treated four hundred and twenty-three
 thousand four hundred and eighty-four anæsthetic cases,
 although only a part of the said institutions have been in
 existence for the whole past duration of said patent; one
 thereof having been established in 1851 and another in
 1853. That in addition to these said institutions, there 96
 are about thirty-two others in said New York and its
 immediate vicinity, but as before stated, no reliable re-
 turns could be procured from them, though, as your said
 applicant believes, the relative proportion of cases treated
 in said last mentioned institutions with said discovery
 would be found to be the same as in the eight first re-
 ferred to.

That from said returns, it further appears, having
 reference to the entire population of said New York and 97
 vicinity, the same being regarded as a million or there-
 abouts, that the proportion of anæsthetic cases treated in
 said institutions, as compared with said total population,
 is as one to thirty^{three}~~xxx~~—the said proportion being arrived
 at in the following mode:

Four hundred and twenty-three thousand four hun-
 dred and eighty-four anæsthetic cases having, as afore-
 said, been treated by said eight institutions during the
 past duration of said patent, the average thereof for one 98
 year would be one-fourteenth of said number, or 30,248
 cases per year. This number having all occurred in said
 city of New York, has been taken as the number of
 anæsthetic cases in every million of population in one
 year. There being, according to the most authentic es-
 timates, thirty-one millions at least of inhabitants in the
 United States, the number aforesaid should be multiplied

99 by 31, which gives 937,688 anæsthetic cases in the whole country in one year. Multiplying this by 14, the result is 13,127,632 cases in the whole country in fourteen years, the life of the said patent. At only *one cent*, patent fee per case, the value of said discovery would be shown to be one million three hundred and twelve thousand dollars.

100 Your said applicant further represents that another mode of estimating the said ascertained value of said discovery is as follows—the same being based upon actual sales of licenses under said patent heretofore effected by said applicant :

In the year 1846, your said applicant sold to one Doctor Fisk, a license, extending for five years from its date, to use said discovery in Essex County, in said State of Massachusetts, for the sum of eight hundred and fifty dollars in cash. That the area comprised under said
 101 license contained a population of one hundred thousand. Assuming, therefore, that said license would have been proportionally valuable for the residue of fourteen years, it would have been worth two thousand three hundred and eighty dollars. At the same rate, licenses for the entire state of Massachusetts aforesaid, containing a population of upwards of one million, would be worth twenty-three thousand eight hundred dollars, and, for the whole United States, estimating the entire population thereof as
 102 at least thirty-one millions at the present time, would be worth the sum of seven hundred and thirty-seven thousand, eight hundred dollars, by actual and reliable computation as aforesaid.

Your said applicant further represents that at the present time, the value of said discovery is far better understood, and is regarded as far greater than it was at the time above referred to—to wit, the said year 1846,

so that the said valuation thereof ought, in reality, to be placed much higher than as above set forth. 103

Your said applicant further represents that in said account hereto annexed, he has included all the items of expenditure and of receipts by reason of said discovery and the introduction thereof into use, which it has been possible for him to recollect, with the exception of the matters hereinafter to be referred to, but that said applicant has never kept regular books of account, and is therefore not now able to state said expenditure with entire accuracy, but he believes that the said account presents a substantially correct and faithful record of said expense. But he represents that he verily believes that no items whatever are omitted from his receipts by reason of said discovery, as stated in said account, but that said portion thereof is in excess rather than in deficiency of the actual amount of his said receipts. He further represents that in said account he has made no mention of the value to be assigned to his own time spent about said discovery, during fourteen years last past, but referring to the fact that, as will appear from the testimony hereafter to be filed upon this application, the practice of said applicant, as a surgeon dentist, at the time he commenced devoting himself wholly to said discovery, was worth the sum of ten thousand dollars per year, said applicant leaves it to the Commissioner of Patents to allow to said applicant for his said time and services such sum as in his judgment may seem proper. 104 105 106

Your said applicant further represents that he has made no entry in said account of the item of interest upon the sum of five thousand dollars necessarily borrowed by your said applicant, on or about the first day of January, 1848, and a further sum of equal amount so borrowed in

107 January, 1851, to enable him to prosecute his afore-
 recited efforts in relation to said discovery, and which
 was all expended by him in respect thereto and is in-
 cluded in said account, the total of said interest on said
 two sums now amounting to nine thousand and ninety
 dollars, which your said applicant has ever since paid
 and is still paying on said sums respectively, and which
 your said applicant prays may be allowed to him as an
 108 expenditure herein, if, in the judgment of the Commis-
 sioner of Patents, the same shall be proper.

Your said applicant also further represents that from
 the first making of said discovery he has devoted almost
 his entire time thereto, and that during the time spent by
 him as aforesaid in attempting to induce Congress and
 the Executive to purchase said patent, to wit, a period of
 nearly eight years, his necessary hotel bills and traveling
 expenses at the city of Washington, and passing back
 109 and forth therefrom during said last mentioned time,
 were upon an average at least one thousand dollars per
 year, which he prays may be allowed him, if the Com-
 missioner of Patents shall deem the same a proper charge.

WM. T. G. MORTON.

STATE OF NEW YORK, }
 CITY AND COUNTY OF NEW YORK, } ss:

WILLIAM T. G. MORTON being duly sworn, says,
 110 that he has read the foregoing statement and account,
 and knows the contents thereof, that the same is true to
 his own knowledge, except as to the matters therein
 stated on information and belief, and as to those matters
 he believes it to be true.

WM. T. G. MORTON.

Sworn to before me this 4th day of October, 1860.

[L. S.] JAMES MARRINER, Notary Public.

EXPENDITURES ACCOUNT BEFORE REFERRED TO. 111

1846.

Oct. 17 to *Cr.*

Dec. 18.	By paid Dutton & Wentworth for sundry advertising of facts re- lating to discovery to direct pub- lic attention to same, and also, part of said time, of notices to the public not to infringe patent, <i>See Schedule 1</i>	\$92 67	112
Oct. 20.	By paid for twelve copies Boston Journal, for distributing matter about discovery.....	50	
Oct. 22 to			
Dec. 30.	By paid Dutton & Wentworth for sundry printing in relation to making discovery known to the public, <i>See Schedule 2</i>	129 00	113
Oct. 30.	By paid Boston Post for advertis- ing about discovery, to make same known.....	9 75	
" "	By paid Christian Watchman for advertising about discovery, to make same known.....	2 50	114
Oct. 30 to			
Nov. 3.	By paid O. P. Drake for Inhaling Apparatus, <i>See Schedule 3</i>	14 12	
Oct. 31.	By paid for advertising about dis- covery to introduce same.....	2 00	
Nov. 6.	By paid J. B. Johnson & Co., for Inhaling Apparatus.....	5 00	

115	Nov. 6 to Dec. 12.	By paid New England Glass Com- pany for glass parts of Inhaling Apparatus.	5 75
	Nov. 6 to Nov. 21.	By paid J. B. Johnson & Co. for Inhaling Apparatus, <i>See Sche- dule 4</i>	38 00
116	Nov. 12.	By amount of direct loss to appli- cant on lease of sundry rooms in Tremont Row, Boston, to aid in introducing discovery to the public, and fitting same up for use, at least.....	500 00
	" 17.	By paid Boston Gas Light Com- pany for gas fixtures for said rooms, <i>See Schedule 5</i>	79 31
117	" 18.	By paid for Inhalers sent to State of New York to introduce dis- covery.....	272 00
	" "	By paid for Ether sent to State of New York to introduce same..	12 00
	" "	By paid New England Glass Com- pany for Globes for Inhalers,	1 50
	" 20.	By paid J. B. Johnson & Co., for work on Inhalers.....	43 00
	" "	By paid J. Gurdinier for sundry binding of Correspondence re- lating to discovery.....	7 37
118	Nov. 30.	By paid E. R. Smiley for his alleged interest in combination of Ether and Opium, same being paid by advice of friends of ap- plicant, to save greater expense in putting at rest fraudulent pre- tensions of said Smiley, as to be shown in testimony.....	100 00

About	By paid Daniel Webster for legal	119
Nov.	services about patent.....	125 00
Dec. 4.	By paid George K. Oates for dis- tributing circulars announcing discovery.....	15 00
Dec. 4 to	By paid J. B. Johnson & Co. for	
Dec. 31.	Inhaling Apparatus, <i>See Scher-</i> <i>dule 7</i>	210 50
Dec. 7.	By paid "Boston Daily Advertis- er" for advertising Caution to Infringers	120 11 69
" "	By paid "Boston Post" for adver- tising about discovery, to intro- duce same.....	13 75
Dec. 9 to	By paid New England Glass Com-	
Dec. 31.	pany for glass parts of Inhaling Apparatus, <i>See Schedule 8</i>	110 37
Dec. 11.	By cost of Inhalers sent to State of New York to introduce dis- covery.....	121 36 00
" 12.	By paid N. Hunt for sundry setts of Inhalers.....	28 00
" 16.	By cost of 103 copies "Boston Med- ical Journal," containing article about discovery, for distribution	4 24
" "	By paid N. Hunt for Inhalers...	12 00
" 17.	By paid N. Hunt for Inhalers...	36 00 122
" 19.	By paid George K. Oates for dis- tributing circulars announcing discovery	800
Dec. 26.	By paid Boston Post for adver- tising about discovery to intro- duce same.....	9 75

123	"	"	By paid Boston and Sandwich Glass Company for Inhaling Apparatus	8 00
	"	28.	By paid R. I. Burbank for collect- ing note given for license by Palmer & Smith.....	34 88
	"	29.	By paid Boston and Sandwich Glass Company for Inhaling Apparatus	19 50
124	"	"	By paid New England Glass Co.,	2 25
	"	30.	" " "	62
	"	31.	" " "	33 63
	"	"	By paid New England Glass Co. for Bottle Mould.....	12 00
	Dec.	31.	By paid for alterations on same..	3 00
	"	"	By paid J. B. Johnson & Co. for Inhaling Apparatus.....	8 00
125	"	"	By paid Boston and Sandwich Glass Company for parts of In- haling Apparatus.....	12 00
	"	"	By cost of Inhalers sent to State of New York to introduce dis- covery.....	33 75
	"	"	By cost of Ether sent to State of New York to introduce dis- covery.....	9 00
126	Dec.	—	By cost of Ether sent to State of Pennsylvania to introduce dis- covery	25 00
	"	"	By cost of Inhalers sent to State of Pennsylvania to introduce dis- covery	54 00

Oct., Nov. and Dec.	By paid Joseph Burnett for Ether to be used in operations to introduce discovery, no profit in fees therefor resulting to applicant.....	127
		100 00

Total expenditures in 1846.. \$2364 90

128

1847.

Jan. 1.	By paid Watts & Dana for legal services about patent.....	\$250 00	
" "	By paid Alonzo A. Melvin for printing license blanks.....	4 50	
" "	By paid J. E. Linnell, in advance, on account of his salary as agent to introduce discovery...	55 00	
" "	By paid to buy back from R. H. Eddy one-fourth of patent, originally assigned to him to pay for his services procuring same, disposing of licenses, &c.....	999 50	129
" "	By paid for Inhalers sent to State of Maine to introduce discovery,	100 00	
" "	By paid for Ether sent to State of Maine to introduce discovery..	20 00	
" "	By paid for Inhalers sent to Ohio to introduce discovery.....	42 00	130
" "	By paid for Ether sent to Ohio to introduce discovery.....	10 00	
" "	By paid traveling expenses of Dr. M. A. Hopkins as agent to introduce discovery and dispose of licenses.....	51 62	

131	"	"	By paid same party for services about same.....	29 38
	Jan. 2 to		By paid J. B. Johnson & Co. for	
	" 13.		inhaling apparatus, <i>See Schedule 9</i>	201 00
	Jan. 5.		By paid A. G. Tenney for services as agent to introduce discovery and sell licenses.....	151 22
132	"	"	By Opinion of Keller & Greenough on patentability of discovery.....	100 00
	"	"	By cost of Inhalers sent to State of Kentucky to introduce discovery.....	40 00
	"	"	By cost of Ether sent to State of Kentucky to introduce discovery.....	4 00
133	Jan. 5 to		By paid Boston and Sandwich	
	Feb. 6.		Glass Co. for inhaling apparatus, <i>See Schedule 10</i>	209 50
	Jan. 8.		By paid traveling expenses of G. V. Pickering as agent to introduce discovery and sell licenses, say.....	200 00
	"	"	By paid services same party same time, which was about three months, at \$100 per month.....	300 00
134	"	11.	By paid for Inhalers sent to Cincinnati to introduce discovery..	155 00
	"	"	By paid for Ether sent to Cincinnati to introduce discovery.....	27 00
	"	13.	By paid expressage on Apparatus sent to Philadelphia to introduce discovery.....	4 00

" "	By paid six copies " Boston Medical Journal" containing article about discovery.....	135 36
" 14.	By paid O. P. Drake for inhaling instruments.....	72 00
" 15.	By paid New England Glass Co. for glass work for inhaling apparatus.....	18 89
" 16.	By paid L. H. Bridgham for printing pamphlets to diffuse knowledge about discovery....	136 27 25
Jan. 16.	By paid O. P. Drake for inhalers.	88 00
" 20.	By paid D. Clapp, Jr. for advertising general circular, containing matter about discovery..	10 00
Jan. 20 to Nov.13.	By paid Dutton & Wentworth for printing large number of pamphlets &c. to introduce discovery, See Schedule 11.....	137 436 91
Jan. 20.	By paid A. Fitz for services in relation to correspondence about patent and discovery.....	50 00
" 21.	By cost of Inhalers sent to State of Georgia to introduce discovery.....	70 00
" "	By cost of Ether sent to State of Georgia to introduce discovery.....	138 7 00
" "	By paid traveling expenses of D. G. Temple as agent to introduce discovery and sell licenses, time spent being at least six months, say.....	800 00

139	" "	By paid services same party at \$100 per month, by agreement, for said six months.....	600 00
	" 22.	By cost of Ether sent to Philadelphia to introduce discovery,	18 00
	" "	By cost of Inhalers sent to Philadelphia to introduce discovery,	79 00
	" 26.	By cost of Inhalers sent to Kentucky to introduce discovery.....	90 00
140	" "	By cost of Ether sent to Kentucky to introduce discovery...	9 00
	" "	By cost of Inhalers sent to State of New York to introduce discovery.....	113 00
	" "	By paid services of A. T. Whiting as agent to introduce discovery and sell licenses.....	66 00
141	" "	By paid traveling expenses same party to introduce discovery...	122 21
	Jan. 26. to	By paid J. B. Johnson & Co. for inhaling apparatus.....	90 75
	" 28.		
	" 30.	By paid New England Glass Co. for glass for inhaling apparatus,	113 14
	" "	By cost of Inhalers sent to State of New York to introduce discovery.....	64 00
142	" "	By cost of Ether sent to State of New York to introduce discovery.....	6 75
	Jan. —	By cost of Inhalers sent to Syracuse, New York, to introduce discovery.....	39 00

"	"	By cost of Ether sent to Syracuse, New York, to introduce discovery.....	2 00	143
"	"	By cost of Inhalers sent to Charleston, S. C., to introduce discovery.....	120 00	
"	"	By cost of Ether sent to Charleston, S.C., to introduce discovery,	18 00	144
"	"	By paid traveling expenses of A. Lawrence as agent to introduce discovery and sell licenses,	104 00	
"	"	By paid services same party as agent to introduce discovery and sell licenses.....	200 00	
"	"	By paid traveling expenses of John G. Spear as agent to introduce discovery and sell licenses.....	169 00	145
"	"	By paid Daniel Webster for legal services about patent.....	75 00	
"	"	By loss on selling Fisher & Hawes' note given for license.....	30 00	
"	"	By paid expenses on same.....	10 00	
"	"	By loss on Ralph Kilbourne's notes given for license.....	95 00	
"	"	By paid N. Hunt for inhaling apparatus.....	300 00	146
"	"	By paid sundry persons for serving notices on infringers.....	25 00	
"	"	By paid expense and loss collecting A. Clark's notes given for license.....	131 00	
Jan. to		By paid sundry postages about		
July.		discovery.....	62 05	

147	Feb. 1.	By paid Alonzo A. Melvin for printing circular of directions how to use discovery.....	45 00
	" "	By paid to Edward Warren, an agent of applicant, per centage for sale of license to Dr. Humph- rey.....	60 00
148	" 2.	By cost of inhalers sent to State of Georgia to introduce dis- covery.....	120 00
	" 3.	By paid O. P. Drake for seventy- five inhalers.....	178 12
	" 8.	By paid services of John Blaisdell as agent to introduce discovery and sell licenses, thirty-six days,	72 00
	" "	By paid same party, in addition to above, per centage on his sales of licenses.....	4 50
149	" "	By paid same party his traveling expenses.....	87 00
	" "	By loss on draft taken for license sold by said John Blaisdell....	25 00
	" "	By loss on other drafts taken for licenses.....	94 00
	" "	By lost amount charged to ap- plicant by John Blaisdell above named, as paid to another agent on account of applicant, but not admitted by said agent,	40 00
150	" 10.	By paid subscription to "Boston Medical Journal" one year, to procure articles constantly ap- pearing therein about discovery requiring answer, &c.....	3 00

Feb. 13.	By expense on note given about sale of license by Blaisdell.....	30 00	151
" 15.	By cost of Ether sent to State of Georgia to introduce discovery,	13 00	
" "	By cost of Inhalers sent to State of Georgia to introduce discovery.....	130 00	
" 22.	By paid Daniel Webster for legal services about patent.....	50 00	152
" 26.	By paid New England Glass Co. for glass for Inhaling apparatus,	75 00	
" 27.	By sundry postage on matter to aid in introducing discovery...	9 10	
" "	By cost of Inhalers sent to Philadelphia to introduce discovery,	30 00	
" "	By cost of Ethèr sent to Philadelphia to introduce discovery....	11 00	
" "	By loss on license sold — Lacey,	25 00	153
" "	By loss on license sold — Chandler.....	18 00	
" "	By loss on license sold Asa Storer.....	14 00	
" "	By loss on license sold J. Pitt...	30 00	
March 2.	By paid A. E. Giles for writing article to be published to aid in vindicating priority of discovery by applicant.....	10 00	154
" 3.	By paid bill of A. T. Whiting for settling with John Blaisdell for services of latter about introducing discovery.....	40 00	
" 5.	By paid William H. Ringgold for sundry copying and traveling about patent.....	18 50	

155	Mch.	8.	By cost of Ether sent to State of New York to introduce discovery,	9 00
	"	9.	By paid A. E. Giles for sundry literary services about discovery,	10 00
	"	10.	By paid W. P. Gregg for legal services in relation to patent...	133 33
	"	20.	By paid D. P. Wilson for services assisting in inaugural operations to introduce discovery.....	165 00
156	"	"	By paid expressage on Inhaling Apparatus to Cincinnati to introduce discovery.....	10 00
	"	31.	By cost of Inhalers sent to State of Georgia to introduce discovery,	180 00
	Mch.	31.	By cost of Ether sent to State of Georgia to introduce discovery,	36 00
	About		By paid J. E. Linnell's traveling expenses as agent to introduce discovery, &c., for say 3 mos.,	
157	April	1.	<i>See Schedule</i> 12.....	218 08
	"	"	By paid same party for services as above for said 3 mos. as per agreement.....	300 00
	"	"	By paid same party, in addition to last item, 10 per cent. on sales of licenses made by him.....	50 19
158	"	"	By loss on note taken from H. H. Palmer in part payment for license for portion of Vermont,	400 00
	April	2.	By paid expressage on Apparatus to Macon, Ga., to introduce discovery.....	10 00
	"	9.	By paid Benj. Loring & Co. for work.....	8 40

Apl. 21 to	By paid David Clapp for sundry	159
May 15.	copies of different numbers	
	“Boston Medical Journal,” for	
	distribution	5 32
April 30.	By cost of Ether sent to State of	
	Georgia to introduce discovery,	28 00
“ —	By paid H. N. Hooper & Co. for	
	castings about Inhalers.	62 98
“ “	By paid “Boston Daily Whig” for	160
	sundry advertising about dis-	
	covery.	7 00
“ “	By loss on note—never received—	
	of Wm. S. Carey, same relating	
	to a license sold.	370 00
May 6.	By paid J. B. Johnson & Co. for	
	work on Inhaling Apparatus..	5 00
“ “	By paid E. P. Ward for traveling	
	expenses, acting as agent to in-	161
	troduce discovery and sell li-	
	censes, say four months, ending	
	at date, <i>See Schedule 13</i>	481 01
“ 15.	By paid A. Blaisdell for about	
	five months’ services as such	
	agent as in last item.	550 00
“ “	By paid same party for traveling	
	expenses for above time, at say	
	\$3 per day.	450 00 162
“ 28.	By paid Grenville G. Hayden for	
	services prior to date aiding in	
	inaugural operations to intro-	
	duce discovery to the public..	1127 00
June 30.	By paid postage on correspond-	
	ence about discovery, from June	
	1, to date.	4 36

163	About	By loss on notes taken from H. H.	
	July	1. Palmer and S. Mower for li- cense for part of Ohio.....	500 00
	July	" By paid Wm. D. Ticknor & Co. for sundry periodicals, for use about introducing discovery....*	10 75
	"	" By paid Samuel Kneeland for lit- erary services about establish- ing applicant's priority of dis- covery.....	25 00
164		8. By paid Wm. D. Ticknor & Co. for periodicals containing Exam- ples of successful use of discov- ery, for distribution, <i>See Sche- dule 14</i>	17 09
	"	31. By paid R. H. Dana, Jr. for lit- erary services about patent....	100 00
165	"	— By paid Wm. Ropes for foreign papers containing accounts of reception of discovery abroad, for distribution to aid in intro- ducing discovery.....	25 00
	"	" By loss on note taken for license sold J. Heald for part of Maine,	90 00
	"	" By loss on note taken for license sold John T. Metcalf, and law expenses about same, say.....	100 00
166	Aug.	1. By paid Edward Warren for ser- vices preparing pamphlets and other matter to establish appli- cant's priority of discovery, from March 11, 1847, to date.....	441 64
	"	27. By paid S. H. Hayward for dis- tributing pamphlets about dis- covery to introduce same, &c..	7 30

Sept. 29.	By paid B. Perley Poore for writing and publishing articles about discovery to introduce same...	167	
		50 00	
Oct. 27.	By paid Wm. Chadwick for printing 150 copies circulars about discovery to introduce same...	3 25	
" 28.	By paid "Boston Daily Journal" for advertising about discovery to introduce same.....	8 00	168
" 31.	By paid R. H. Dana, Jr. for services about discovery.....	9 00	
Nov. 2.	By paid "Olive Branch" (newspaper,) for advertising articles about discovery.....	5 00	
" 6.	By paid J. Q. Kettelle for collecting note given for license.....	4 00	
During all of 1847.	By cost of Ether used in operations performed to bring discovery before the public, no fees resulting therefrom to applicant,	500 00	169
Total Expenditures in 1847..		<u>\$15,034 95</u>	

1848.

Jan. 1.	By paid Wm. D. Ticknor & Co. for sundry medical periodicals furnished at different times between Sept. 8 and Dec. 31, 1847, the same being for use about introducing discovery.....	170	
		36 55	
" "	By amount direct loss to applicant by reason of license sold to Palmer & Mower, as to be explained in testimony, at least..	1500 00	

	Jan. 28.	By paid Tilden & Gane for binding &c. correspondence relating to discovery and patent &c.,	7 06
171	Feb. 5.	By paid David Clapp for subscription to "Boston Medical and Surgical Journal," and sundry copies different numbers of same, for use in introducing discovery.....	4 20
	" 26.	R. H. Dana, Jr. for preparing article published in "Living Age" about discovery, to establish applicant's priority.....	75 00
172	" —	By paid Hon. Thos. Ewing for legal services about patent....	100 00
	" —	By paid R. H. Dana, Jr. for procuring testimony to establish priority of applicant.....	10 00
173	Mch.—	By paid E. Littell part of his bill for publishing article above referred to, in "Living Age," and 10,000 copies same for distribution	200 00
	Aug. 22.	By paid Samuel Kneeland for preparing matter to establish priority.....	42 00
174	July 29.	By paid William Chadwick for printing 200 Circulars for distribution about discovery.....	9 00
	Dec. 6.	By paid "Boston Courier" for advertising to introduce discovery,	7 25
	" 23.	By paid R. H. Dana, Jr. for preparing articles to be published to vindicate applicant's priority,	27 00

Dec. 25.	By paid "Boston Atlas" for ad- vertising to introduce discovery,	175 11 00
" 31.	By paid Richard Fox, letter-carrier, for postage on correspondence about discovery and patent, from August, 1848, to date.....	4 84
Total Expenditures in 1848....		\$2,033 90
		176
1849.		
Jan. 10.	By paid "Boston Journal" for publication of article in relation to establishing priority.....	3 75
Feb. 2.	By paid expressage on apparatus to Washington, to introduce dis- covery.....	1 00
Feb. 16 to Mch. 4.	By paid sundry expenses for tes- timony, documents and legal services in matter of establish- ing priority of discovery, be- tween these dates.....	300 00
Feb. 28.	By paid Wendell and Van Ben- thuysen for printing 5,000 copies Report of Dr. Edwards establishing applicant's priority of discovery, for general distri- bution.....	108 00
" —	By Joseph T. Lawson for copying sundry matter relating to estab- lishing priority.....	178 15 00
Mch. 3.	By paid Richard Fox, letter-carrier, for postage on correspondence about discovery and patent, from Jan. 1, 1849, to date.....	4 76

179	Mch. 13.	By paid "Boston Journal" for publishing matter in relation to establishing priority.....	8 50
	" 16.	By paid for advertisement about discovery.....	5 00
	" 26.	By paid telegraph in relation to certain apparatus sent away to introduce discovery.....	2 14
180	" "	By paid express on same apparatus,	3 50
	May 23.	By paid "Boston Alliance" for publishing editorial notice of discovery.....	10 00
	July 13.	By paid John M. Woods for printing &c. 200 copies pamphlets for distribution to aid in introducing discovery.....	19 00
	Oct. 15.	By paid Wm. D. Ticknor & Co. for periodicals for use about introducing discovery.....	6 00
181			
Total Expenditures in 1849....			\$486 65

1850.			
182	Jan. 1.	By paid Wm. D. Ticknor & Co. for "Comptes Rendus," for use in introducing discovery.....	12 00
	About Jan.	By paid balance bill of E. Littell for publishing in "Living Age" article before referred to.....	300 00
	Augt. —	By paid Elizur Wright for preparing article for use to establish priority	10 00

Sept. —	By paid Samuel Kneeland for services preparing pamphlet for use to establish priority.....	183	20 00
Total expenditure in 1850..			\$342 00

1851.

Jan. 17.	By paid Eayrs & Fairbanks for binding correspondence relating to discovery and patent.....	184	7 00
" 30.	By paid R. H. Dana, Jr. for services about discovery.....	100 00	
Mch. 27.	By paid Eayrs & Fairbanks for binding correspondence relating to discovery and patent.....	2 25	
May 1.	By paid Wm. D. Ticknor & Co., interest on an account of theirs against applicant, for sundries relating to discovery.....	185	2 01
" 17.	By paid Dutton & Wentworth for printing circulars about discovery.....	3 00	
Sept. 1.	By paid B. Perley Poor for services preparing pamphlet to aid in establishing priority.....	50 00	
Oct. "	By paid postage on correspondence about discovery from July 1, 1851, to date.....	3 55	186
Dec. 18.	By paid J. M. Carlisle for legal services about patent.....	100 00	
" 20.	By paid Fletcher Webster for services about discovery.....	100 00	

187	Dec. 29.	By paid John T. Towers for printing pamphlets &c. for distribution to establish priority...	63 00
-----	----------	---	-------

Total expenditure in 1851..\$430 81

	1852.		
188	Jan. 2.	By paid expressage on documents for distribution, to establish priority.....	\$0 75
	About Jan.	By paid Hon. Thomas Ewing for legal services about Patent....	167 00
	Jan. —	By legal opinion of J. M. Carlisle, Esq., on patentability of discovery.....	1,000 00
189	" —	By paid same party for other legal services about discovery, and establishing priority.....	40 00
	Feb. 13.	By paid W. Richards and J. G. Austin, for copying documents relating to claims of contestants of applicant's priority.....	11 50
	" 26.	By paid expressage on documents for distribution to establish priority.....	6 50
190	" 28.	By paid John T. Towers for printing sundry circulars for distribution, to establish priority.....	100 00
	Mar. 8.	By paid J. Throop for certain engraving for circulars for distribution.....	30 00
	" 17.	By paid John T. Ball for addressing said circulars.....	12 00

March 19.	By paid David McLellan for printing done on circulars, for use as aforesaid.....	191	
		140	00
April "	By paid Brown & Brune for legal services about discovery.....	50	00
" 24.	By paid E. S. Cleveland retainer to act for patent.....	100	00
May 3.	By paid for telegraph.....	50	
" 10.	" " "	50	192
" 13.	By paid John Tretler for binding documents, &c., relating to establishing priority.....	5	00
June 8.	By paid for telegraph.....	59	
" "	By paid Blair Laurie for copying sundry documents relating to proceedings to establish applicant's priority.....	21	46
" 26.	By paid John T. Towers for printing sundry matters for distribution to establish priority.....	100	00
" —	By paid expenses of applicant and Dr. Fitch to Richmond, Va., to establish priority.....	25	00
" —	By paid Baltimore Clipper for publishing article vindicating applicant from attacks of contestants of his priority of discovery.....	10	00
		194	
July 3.	By paid John Tretler for binding documents &c., relating to establishing priority.....	14	00
" 19.	By paid Taylor & Maurie for subscription to London Lancet, for use in establishing priority....	5	00

195	July	23.	By paid John Towers for printing pamphlets, &c., for use in establishing priority.....	100 00
	Aug.	14.	By paid for telegraph.....	50
	"	28.	By sundry copies documents setting forth applicant's claims to priority of discovery, for distribution to establish same.....	150 00
196	"	"	By paid Mr. Sutton for services in relation to same.....	25 00
	Sept.	2.	By paid Blair Laurie for copying about patent.....	17 25
	"	3.	By paid John T. Towers for printing &c. sundry pamphlets and other matter for distribution, to establish applicant's priority, <i>See Schedule 15</i>	1132 13
197	"	8.	By paid expressage on large quantity pamphlets for use as above,	18 00
	"	27.	By paid S. M. Hobbs for services in putting before the public applicant's claim to priority.....	100 00
	"	30.	By paid Horace Cornwall retainer in matter of testimony to establish priority.....	50 00
198	Oct.	7.	By paid S. M. Hobbs for publishing sundry articles setting forth applicant's claim to priority....	20 00
	"	9.	By paid Horace Cornwall for taking depositions to establish priority.....	25 00
	"	13.	By paid expressage on documents to establish priority.....	1 00

Oct. 20.	By paid Dr. Ives for collecting testimony to establish priority,	199
		25 00
" 23.	By paid G. H. P. Flagg for services collecting testimony to aid in establishing applicant's priority of discovery, and sundry other services in relation to patent and discovery, from March 14, 1852, to date.....	250 25 200
Nov. 3.	By paid expressage on three boxes documents to establish priority,	24 00
" 15.	By paid J. Q. Kettelle for addressing mail matter distributed for establishing priority.....	1 50
" 16.	By paid R. H. Dana, Jr. for services taking testimony to establish priority of applicant.....	50 00
" 22.	By paid J. P. Putnam for services taking testimony to establish priority of applicant.....	100 00
		201
" 26.	By paid Horace Cornwall for services taking testimony to establish priority of applicant.....	100 00
" —	By paid Doctor Towle for services and expenses collecting testimony to establish priority.....	50 00
Dec. 2.	By paid R. H. Dana, Jr. for taking depositions to establish priority.....	150 00
		202
" "	By paid George T. Curtis for legal services about patent.....	100 00
" "	By paid R. H. Dana, Jr. for services taking depositions to establish priority.....	100 00

203	Dec. 3.	By paid J. Q. Kettelle for services and expenses about testimony, to establish priority	13 41
	" 9.	By paid J. P. Putnam for taking depositions to establish priority,	100 00
	" 12.	By paid William H. Thomas for packing boxes for transportation of pamphlets &c. for use in es- tablishing priority	32 00
204			
	" 14.	By paid T. Fletcher Oakes for ser- vices procuring signatures of leading physicians to documents asserting priority of applicant, for use to establish same	20 00
	" 14.	By paid John Tretler for binding documents &c. relating to dis- covery	20 00
205	" 18.	By paid T. Fletcher Oakes for further services procuring sig- natures of leading physicians to documents asserting priority of applicant	20 00
	" 29.	By paid R. H. Dana, Jr. for ser- vices taking testimony to estab- lish priority	50 00
206	" "	By paid Wm. Topping for copy- ing and writing articles about priority	20 00
Total expenditures in 1852,			\$4,704 75

1853.			207
Jan. 4.	By paid J. Gurdinier for sundry binding of correspondence &c. relating to discovery, at different times between Sept. 1, 1852, and date.....	7 62	
Jan. 5 to Jan. 31.	By paid A. Boyd Hamilton for printing &c. testimony taken to establish priority of discovery, and also contestant's testimony, <i>See Schedule 16</i>	1280 74	208
Jan. 7.	By paid T. Fletcher Oakes for five weeks' services obtaining signatures of leading physicians to documents asserting priority of applicant.....	177 59	
" "	By paid telegraph.....	0 75	
" 11.	By paid Josiah Curtis for services about discovery.....	5 00	209
" 14.	By paid Wm. H. Webb for taking testimony establishing priority,	12 00	
" 17.	By paid for translating award of French Academy of Sciences, to be published and distributed in United States to aid in establishing priority.....	20 00	
" 18.	By paid Wm. C. Sharp for drawing and printing, on stone, 3,960 copies fac simile of petition to Congress to buy patent.....	75 00	210
Jan. 31 to Mch. 7.	By paid John Tretler for binding sundry documents to be distributed to establish priority, <i>See Schedule 17</i>	127 66	

211	Feb. 4.	By paid John L. Kidwell for administering nitrous oxide gas at Washington, as an experiment to show insufficiency of said agent.....	50 00
	" 14.	By paid J. P. Putnam for services in relation to taking depositions of witnesses to establish priority of discovery.....	177 75
212			
	" 16.	By paid H. Bailliere for sundry periodicals used in establishing priority.....	20 00
	" 21.	By paid John Tretler for cutting pamphlets for use in establishing priority.....	20 00
	" 24.	Louis A. Godey for 700 copies "Lady's Book" for March, 1853, containing article about discovery, for distribution.....	105 00
213			
	" "	By paid postage on same.....	1 00
	Mch. 8.	By paid expressage on books of testimony &c. used to establish priority.....	10 00
	Apl. 19.	By paid Clerk Probate Office, Suffolk County, Mass., for recording depositions taken to establish priority.....	170 00
214			
	July 20.	By paid L. Towers for printing, &c. pamphlets &c. used to establish priority.....	517 25
	" 25.	By paid A. E. Giles for copying sundry documents.....	5 00
	Nov. —	By paid Rufus Choate for legal services about patent.....	50 00

Dec. 2.	By paid sundry disbursements procuring attendance of witnesses to establish priority.....	215
" 8.	By paid expressage on printed matter for use to establish priority,	5 58
" 22.	By paid Louis A. Godey for 296 copies "Lady's Book," containing article about discovery, for distribution to aid in establishing priority.....	1 00
		216
		59 20
Total expenditure in 1853..		\$2,898 14

1854.

Jan. 26.	By paid expressage on pamphlets &c. to establish priority.....	1 00
Jan. 13 to	By paid sundry telegraphs about discovery. <i>See Schedule 18</i>	217
Jan. 30.		3 95
Feb. 13.	By paid expressage as above....	1 50
" 25.	" do. do.	75
Mch. 17.	" do. do.	1 00
Apl. 1.	" do. do.	1 00
" 18.	By paid G. H. P. Flagg for various services as general agent of applicant about discovery.....	50 00
" 21.	By paid G. H. P. Flagg for various services as general agent of applicant about discovery.....	218
		75 00
" 23.	By paid sundry telegraphs about discovery.....	4 17
May 31.	By paid expressage as above....	1 00
June 1.	By paid sundry telegraphs about discovery, prior to date.....	8 78

219	"	7.	By paid expressage as above.....	1 00
	"	8.	" do. do.	1 00
	"	24.	" do. do.	1 00
	"	26.	" do. do.	1 00
	"	29.	By paid sundry telegraphs about discovery.....	4 58
	July	3.	By paid expressage as above....	1 00
220	"	28.	John T. & L. Towers for printing sundry pamphlets for distribu- tion to establish priority, and for folding, stitching &c. testi- mony proving same.....	28 50
	"	31.	By paid sundry telegraphs in Ju- ly, <i>See Schedule 19</i>	20 70
	About July.		By paid freight &c. on books &c., for use in establishing priority,	7 00
221	Aug.	1.	By paid Rufus Choate for legal services about patent	50 00
	"	5.	By paid additional compensation same party as per agreement of this date.....	200 00
	"	7.	By paid G. S. Gideon for print- ing sundry pamphlets and other documents for distribution to establish priority, <i>See Schedule 20</i> ,	150 00
222	"	16.	By paid G. H. P. Flagg for services as agent of applicant as before stated.....	2 53
	"	22.	By paid G. H. P. Flagg for services as agent of applicant as before stated.....	87 50
	"	28.	By paid G. H. P. Flagg for services as agent of applicant as before stated.....	133 24

" "	By paid freight &c. by packet, on two boxes books to establish priority	223	
		8 75	
Aug. —	By paid opinion of Rufus Choate on patentability of discovery, infringements, &c.....	1000 00	
Oct. 19.	By paid Erastus Smith for services as magistrate taking testimony to establish priority.....	20 00	224
" "	By paid G. H. P. Flagg for services as before mentioned.....	25 00	
Dec. 18.	By paid expressage on documents to establish priority.....	1 00	
" 20.	By paid G. H. P. Flagg for services as above mentioned.....	63 40	
" 23.	By paid for telegraph.....	1 22	
" 30.	By paid G. H. P. Flagg for further services as above.....	57 00	225
Total expenditures in 1854..		<u>\$4,263 65</u>	

1855.

Jan. 5.	By paid for telegraph.....	90	
" 16.	" " ".....	1 30	
Feb. 5 to	" " sundry telegraphs		
March 2.	about discovery, <i>See Schedule 21</i> ,	11 76	
April 19.	By paid John Tretler for binding correspondence about discovery, 7 vols.....	7 50	226
" 21.	By paid for printing copies of patent.....	6 00	
May 1.	By opinion of Geo. T. Curtis, Esq., on patentability of discovery, &c.....	1000 00	

227	" "	By opinion of Wm. Whiting, Esq. on patentability of discovery &c.	1000 00
	" 12.	By paid telegraph.....	50
	Nov. 2.	By services of G. H. P. Flagg as general agent of applicant about business matters in relation to discovery, including \$14,42 in- terest on a former account....	342 07
228		By transferred to Wm. H. Witte, Esq., for services attempting to make sale of patent to Govern- ment, property amounting to	300 00
<hr/>			
Total expenditures in 1855..			<hr/> \$2,670 03

1856.

229	May 1.	By paid B. Perley Poore for ser- vices about publications to es- tablish priority.....	125 00
	July 1.	By services of Hon. Rufus Choate, Wm. Whiting and Geo. T. Curtis, Esqrs., for consultation about infringement suit in Boston and collections under patent, each \$50.....	150 00.
230	Sept. 24.	By printing and other work done by G. S. Gideon on sundry pamphlets for distribution to establish priority.....	163 75
	Nov. 19.	By bill of John M. Hewey for printing opinions of counsel on patentability of discovery.....	41 00
<hr/>			
Total expenditures in 1856..			<hr/> \$479 75

1857.			231
March 18.	By paid A. R. Baker for sundry services editing and preparing pamphlets &c, to be used to establish priority and obtain settlements under patent.....	325 00	
Nov. “	By services of Mr. Ware preparing matter for publication for purpose of obtaining settlements under patent.....	30 00	232
“ “	By paid Robert Carter for services about same matter.....	10 00	
	Total expenditures in 1857,..	\$365 00	
<hr/>			
1858.			233
April 26.	By amount to Whiting & Russell for legal services bringing suit in Boston for infringement of patent.....	100 00	
July 1.	By services of T. G. Thomas procuring signatures of leading physicians in New York to documents asserting applicant's priority, for procuring settlements for infringement of patent from medical institutions.....	200 00	234
“ 8.	By bill of Pudney & Russell, New York, for publishing book called “Discovery of Etherization,” to obtain settlements for infringements by medical institutions, <i>See Schedule 22</i>	1664 33	

235	Aug. 5.	By paid Dr. N. P. Rice for writing above-mentioned book, on acct.,	100 00
	" 14.	By note to Horace Cornwall for general legal services about dis- covery.....	632 00
	Sept. 8.	By Geo. F. Nesbitt & Co's. bill printing sundry pamphlets &c., for distribution to obtain settle- ments for infringements of pa- tent.....	1 25
236	Nov. 15.	By paid for binding documents relating to discovery and patent,	11 00
	" 23.	By Geo. F. Nesbitt & Co's. bill printing matter for distribution to obtain settlements under pa- tent.....	21 00
237	" "	By paid S. Kneeland for services preparing a portion of matter for "Discovery of Etherization",	15 00
	Dec. 2.	By paid F. W. Hunt for prepar- ing articles for publication to aid in obtaining settlements for infringements.....	10 00
	" 24.	By paid E. B. Walker for bind- ing &c. matter printed to ob- tain settlements for infringe- ments.....	8 00
238			
Total expenditures in 1858..			\$2,762 58

1859.

April 21.	By paid N. P. Rice on settlement of his claim for writing book entitled "Discovery of Etheri- zation".....	400 00
-----------	---	--------

" "	By paid S. D. Cozzens for services making said settlement.....	239 25 00
May 1.	By paid expenses of S. D. Cozzens to Boston about infringement suit.....	12 37
" 4.	By paid W. C. Bryant & Co. for printing 650 pamphlets to use in procuring settlements.....	79 70
" 14.	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services,	240 16 00
" 16.	By paid expenses S. D. Cozzens to Boston about infringement suit.....	15 00
" 17.	By paid Manton Marble for services about publications to obtain settlements for infringements of patent.....	241 200 00
" 21.	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services,	8 00
" 28.	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services,	10 00 242
" "	By bill Wm. C. Bryant & Co. printing 350 pamphlets to obtain settlements.....	12 00
June 9.	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services,	2 00

243	" 11.	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services,	10 00
	" 18.	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services.	10 00
244	July 1.	By stationery for use about patent,	15 00
	" "	By paid Metropolitan Express Co. for distributing pamphlets printed to obtain settlements for infringements.....	18 50
	" 9.	By bill of Wm. C. Bryant & Co. for printing 500 pamphlets for use to procure settlements of infringements.....	28 50
245	" "	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services.....	5 00
	Nov 1.	By paid H. Malleson for sundry literary services about publications to obtain settlements for infringements and other services.....	3 00
246	" 15.	By stationery for use about patent.....	5 50
	" 17.	By stationery for use about patent.....	2 50
	" 22.	By stationery for use about patent	12 50

“ “	By bill of Wm. C. Bryant & Co. for printing 500 pamphlets for use to procure settlements of infringements.....	247 37 00
“ 28.	By paid H. Malleson for sundry literary services about publica- tions to obtain settlements for infringements, and other ex- penses.....	2 00 248
Dec. 13.	By bill of Geo. F. Nesbitt & Co. for printing 1,000 pamphlets for use in obtaining settlements for infringements, and stereotype plates of same.....	75 00
“ 30.	By bill of Wm. C. Bryant & Co. for printing papers to be used in suits in equity to restrain parties infringing patent.....	196 27 249
Total expenditures in 1859.		\$1,200 82
1860.		
Jan. 18.	By stationery for use about patent,	17 00
April 1.	By bill of Charles Parker for ob- taining signatures of leading physicians in Philadelphia to documents asserting applicant's priority of discovery, for use to obtain settlements from medical institutions for infringement of patent, time spent about same being from Feb. 1 to April 1, 1860, and also said Parker's traveling and hotel expenses about said business.....	250 408 57

251	" 18.	By bill of T. K. Collins, agent, for sundry printing about publica- tions to obtain settlements.	166 42
	May 14.	By amount paid to Theodore Cuy- ler, Esq., Philadelphia, as pro- vision for legal costs &c. insuits in equity to collect for infringe- ments of patent.	1000 00
252	June —	By paid Chauncey Rowe for dis- tributing pamphlets about set- tlements.	3 75
	" —	By freight on documents for use to procure settlements.	4 50
	Sept. 11.	By bill of B. & S. D. Cozzens for legal services about patent.	1000 00
Total expenditures in 1860.			<u>\$2,600 24</u>

253

RECAPITULATION.

	Expenditures in	1846.	\$2,364 90
	do.	do. 1847.	15,034 95
	do.	do. 1848.	2,033 90
	do.	do. 1849.	486 65
	do.	do. 1850.	342 00
	do.	do. 1851.	430 81
	do.	do. 1852.	4,704 75
	do.	do. 1853.	2,898 14
254	do.	do. 1854.	4,263 65
	do.	do. 1855.	2,670 03
	do.	do. 1856.	479 75
	do.	do. 1857.	365 00
	do.	do. 1858.	2,762 58
	do.	do. 1859.	1,200 82
	do.	do. 1860.	2,600 24
Total.			<u>\$42,638 17</u>

RECEIPTS ACCOUNT BEFORE REFERRED TO.

1846.

To amount received for license from :

Nov.	4.	H. H. Palmer,	900 00	
"	14.	Joseph E. Fisk, Salem, Mass....	850 00	
Dec.	3.	John T. Metcalf, Nantucket, Mass.,	300 00	
"	7.	James C. Mara, New Bedford,		256
		Mass.....	200 00	
"	10.	John Heald, Portland, Me.....	175 00	
"	11.	Dixy Crosby, Hanover, N. H.....	30 00	
"	"	Ladd & Vinall, Lowell, Mass.....		
"	"	James Pitts, Lancaster, Mass.'....	30 00	
"	"	J. C. Marat, New Bedford, Mass.	1 00	
"	"	Joseph F. Forbes,	1 00	
"	12.	E. G. Ward, New Bedford, Mass.,	25 00	
"	"	Nathaniel Harris, Middlebury, Vt.,	15 00	257
"	14.	Joseph H. Groves, Nashua, N. H.,	15 00	
"	"	Jonas Ball, Nashua, N. H.....	50 00	
"	"	C. H. Gleason, South Braintree,		
		Mass.....	1 00	
"	15.	Silas F. Gladwin, Lowell, Mass...	75 00	
"	"	S. & C. Chapin, Lincoln, Mass....	15 00	
"	16.	Dr. G. Mansfield, Lowell, Mass...	75 00	
"	"	Ambrose Lawrence, Lowell, Mass.,	50 00	
"	"	Albert T. Johnson, Lowell, Mass..	75 00	258
"	"	Calvin C. Knowles, Lowell, Mass..	75 00	
"	"	Jeremiah Mason, Saco, Me.....	1 00	
"	18.	Hawes & Fisher, Providence, R. I.	400 00	
"	"	Norman Smith, Groton, Mass....	15 00	
"	19.	B. T. Currier, Bath, Me.....	15 00	
"	21.	Wm. A. Palmer, Poughkeepsie,		
		N. Y.....	50 00	

259	" "	Bishop & Harris, Worcester, Mass,	200 00
	" "	Jonas Bell, Nashua, N. H.....	15 00
	" "	James A. Tenney, Worcester, Mass.,	15 00
	" 22.	Allen Clark, Lansingburgh, N. Y.,	550 00
	" 23.	W. H. Allen & G. R. Parkhurst, of Connecticut.....	200 00
	" "	J. W. Smith, Northampton, Mass.,	50 00
	" "	Chas. Walker, Northampton, Mass.,	50 00
260	" 24.	Dr. A. Hill, Norwalk, Conn.....	175 00
	" "	Geo. H. White, Springfield, Mass.,	250 00
	" "	Benj. S. Lyman, Brooklyn, N. Y.,	500 00
	" 26.	Ralph Kilbourne, Montpelier, Vt.,	200 00
	" "	Mead & Kendrick, New Bedford, Mass.....	62 00
	" 28.	Thomas W. Newman, of Orange Co., N. Y.....	50 00
261			<hr/> \$5,756 00

—————

To amount received for license from:

1847.

Jan.	1.	Hervey F. Briggs, Poughkeepsie, N. Y.....	30 00
262	" "	——— Foster, Philadelphia.....	800 00
	" "	Dr. Humphrey, Washington, D. C.,	150 00
	" 2.	G. C. Monell, Newburg, N. Y....	50 00
	" "	A. M. R. Scott, Raleigh, N. C....	50 00
	" 5.	G. O. Blythe, Paterson, N. J.....	75 00
	" 6.	Charles B. Chandler, Philadelphia,	25 00
	" "	A. J. A. Burkey, Philadelphia....	100 00
	" 7.	B. T. Smith, New Orleans, La....	
	" 8.	S. B. Burnham, Schenectady, N. Y.	50 00

" 11.	James Chandler, of Onondaga Co.,	263
	N. Y.....	50 00
" "	John Lacy, Schenectady, N. Y...	50 00
" "	George W. Sutherland, Brunswick,	
	Me.....	7 00
" "	Oscar D. Munson, Auburn, N. Y.,.	100 00
" "	Valentine & Day, New York City.,	45 00
" "	Wm. D. Jenks, Frederick City, Md.,	40 00
" "	I. R. Watchie, Charleston, S. C...	1 00 264
" "	H. B. Young, Zanesville, Ohio....	100 00
" "	S. & O.W. Griffith, Louisville, Ky.,	100 00
" "	Joseph B. Webber, Gardiner, Me.,.	17 00
" "	Wm. B. Mead, " "	37 00
" 12.	B. L. Esterle, Steubenville, O.....	67 00
" "	J. M. Peak, Cooperstown, N. Y...	10 00
" "	Elisha Parsons, Savannah, Ga....	200 00
" "	Dr. S. P. Practice, Jackson, "	
" 13.	J. G. Snell, Port Jackson, N. Y...	15 00 265
" "	Chas. Richardson, Hallowell, Me.,	7 00
" "	John Hassell, Jr., Newark, N. J.,.	60 00
" "	D. H. Goodman, Hallowell, Me...	37 00
" 14.	J. Snell, Junior, Augusta, Me....	37 00
" "	Van Patten & Evans, Lancaster, Ky.,	75 00
" 16.	W. H. Goddard, Louisville, Ky....	90 00
" 17.	A. T. Smith & D. T. Smith.....	
" 18.	Edward Taylor, Louisville, Ky....	50 00
" "	Joseph Taylor, Maysville, Ky....	50 00 266
" 20.	H. C. Wagner, Rochester, N. Y...	45 00
" 22.	H. Palmer & S. Mower.....	1500 00
" "	Wm. G. Oliver, Buffalo, N. Y....	37 00
" "	Wm. S. Van Deusen, Buffalo, N.Y.,	50 00
" "	Lombard & Putnam, Macon, Ga...	200 00
" "	Henry H. & Wm. B. Van Lick,	
	Hudson, N. Y.....	37 00

267	"	23.	G. E. Hayes, Buffalo, N. Y.....	50 00
	"	"	G. S. Mills, Ithaca, N. Y.....	25 00
	"	"	Thomas Marshall, Maysville, Ky.,	50 00
	"	24.	Reuben G. Snow, Buffalo, N. Y...	37 00
	"	25.	Lewis Fitz Randolph, New Bruns- wick.....	50 00
	"	"	Alexander Abbott, Kinderhook, N. Y.....	37 00
268	"	27.	Bartholomew Rennie, Philadelphia,	25 09
	"	30.	J. B. Beers, Rochester, N. Y.....	15 00
	"	"	A. G. P. Colburn, Newark, N. J...	100 00
	"	"	Joseph Ellendorf, Pen Yan, N. Y.,	90 00
	"	"	Geo. S. Gals, Rouses Point, N. Y.,	15 00
Feb.	1.		E. B. Wright, Junior, Rochester, N. Y.....	20 00
	"	"	Geo. W. Biddle, Pittsburgh, Pa...	50 00
Mch.	10.		Glidden & Matthews, Memphis, Tenn.....	325 00
269	"	15.	S. E. Broadwell, Lexington, Ky...	40 00
	"	16.	F. M. Robertson, Charleston, S. C.,	
	"	"	W. W. Marshall, Macon, Ga.....	
	"	30.	B. A. Rodrigias, Charleston, S. C.,	102 00
	"	31.	Francis E. Siner, Madison, Ind...	40 00
Apl.	3.		A. D. Stone, Lexington, Ky.	200 00
	"	5.	J. A. Underhill, La Fayette, Ind.,	52 00
	"	6.	P. Meredith, Cincinnati, O.....	25 00
270	"	8.	I. Allen, " ".....	50 00
	"	S.	Dr. M. Bissell, Charleston, S. C...	75 00
	"	12.	John A. Cleveland, Augusta, Ga.,	
	"	14.	E. M. Allen, Greensbro, Ga.....	50 00
	"	15.	John & D. D. Watson, Mountville, Ga.....	25 00
	"	17.	Ballard & Burr, Madison, Ga.....	
May	3.		Fayle & Cushman, Columbus, Ga.,	225 00

" 11.	J. F. Perry, Tecumseh, Mich.....	75 00	271
" 24.	J. Dickerson, Macon, Ga.....		
June 1.	J. B. Murphy, Milledgeville, Ga...	50 00	
" 2.	Geo. W. Jones, Talbotton, Ga....	35 00	
Sept. 9.	Russell & Gordon, Lawrenceville, Ga.....	10 00	
" "	Joseph R. Smith, Rome, Ga.....	50 00	
Dec. 16.	Calvin C. Knowles, Lowell, Mass.,	75 00	
" "	Jeremiah Mason, Saco, Me.....	1 00	272
" "	Albert T. Johnson, Lowell, Mass.,	75 00	
" "	Ambrose Lawrence, Lowell, Mass.,	50 00	
" 18.	Norman Smith, Groton, Mass.....	15 00	
" "	Hawes & Fisher, Providence, R. I.,	400 00	
" 19.	B. T. Currin, Bath, Me.....	15 00	
" 21.	Jonas Ball, (2d license), Nashua, N. H.....	15 00	
" "	James A. Tenney, Worcester, Mass.,	15 00	
Total receipts in 1847.....		\$6,598 00	273

1858.

Oct. 8.	To received for license, from Board Ten Governors, N. Y. City, to use discovery in medical institu- tions of same place under con- trol of said Board.....	1500 00	274
(This covers a period of two years).			
Total receipts in 1858.....		1500 00	

275

RECAPITULATION:

Receipts in 1846.....	\$5,756 00
do " 1847.....	6,598 00
do " 1858.....	1,500 00
	<hr/>
	\$13,854 00

276

SUMMARY:

Total Expenditures.....	\$42,638 17
Total Receipts.....	\$13,854 00
	<hr/>
Excess of Expenditures over Receipts,.....	\$28,784 17

WM. T. G. MORTON.

277

STATE OF NEW YORK, }
CITY AND COUNTY OF NEW YORK, } ss.

William T. G. Morton, being duly sworn, says that he has read the foregoing statement and account and knows the contents thereof; that the same is true to his own knowledge except as to the matters therein stated on information and belief, and as to those matters he believes it to be true.

WM. T. G. MORTON.

278

Sworn to before me this }
4th day of Oct, 1860. }

JAMES MARRINER,

[L. S.]

Notary Public.

SCHEDULE 1.

179

DR. W. T. G. MORTON,

Boston, To Dutton & Wentworth, Dr.

1846. To advertising in Transcript.

Oct. 17.	For min. 3t.....	\$ 75	
24.	Discovery, 4t.....	2 18	
Nov. 10.	Teeth extracted, &c., 2 aw. 17t.....	4 60	
20.	Notice of Patent, 4t. is.....	2 75	
	To advertising same in Commercial		280
	Advertiser, N. Y., 4 times.....	2 75	
	To advertising same in U. S. Gazette, 4t.,	2 75	
	“ Baltimore American, 4t.,	2 75	
	“ N. O. Picayune, 4 times,	2 75	
	“ Norfolk Herald, 4 times,	2 75	
	“ Charleston Patriot, 4t...	2 75	
	“ Louisville Courier, 4t...	2 75	
	“ St. Louis Reveille, 4t...	2 75	
	“ Hartford Courant, 4t...	2 75	281
Dec. 4.	Important Information, 4½ squares,		
	2 a. w. is. 10t.....	14 63	
	To Advertising same in N. Y. Express,		
	2 a. w. 4 w.....	12 37	
	To Advertising same in Baltimore		
	Patriot, 2 a. w. 4 w.....	12 37	
	To Advertising same in U. S. Gazette,		
	2 a. w. 4 w.....	13 50	
10.	Dental Operations, 2 columns, 1 p.....	5 00	282
18.	24 copies Transcript.....	75	

\$92 67

Cr. my draft on New York, on }
Wm. M. Vermilye, from City Bank, }
Columbus, \$50, less 25.5..... } \$49 75

Received payment, \$42 92

DUTTON & WENTWORTH.

10

By WM. DURANT.

SCHEDULE 2.

DR. W. T. G. MORTON,

To Dutton & Wentworth, Dr.

	Boston,	To Printing	
	1846.	100 Copies Circular, 2 pages, 1 to sheet, }	
	Oct. 22.	100 do. do " additional, }	\$8 25
	Nov. 7.	1 Ream Billets, 2 to sheet, To Sur-	
284		geons, &c.....	8 00
	" 26.	53,000 Handbills, at 87½ cts. per 1,000,	46 38
	Dec. 8.	25 Copies List of Prices.....	75
	" 30.	78 Copies Circular to Dentists, 2 pages	
		folio.....	3 00
		3 Hours Alterations, &c.....	1 00
		6 Proofs after alterations made.....	50
		Altering from folio to pamphlet form of	
		16 pages, making up, corrections, &c.,	2 50
285		100 Copies, pamphlet form, folded, stitch-	
		ed, &c.....	3 50
		100 Copies, pamphlet form, including	
		corrections, &c.....	3 00
		200 Copies, pamphlet form, including	
		corrections, &c.....	6 00
		1,000 Copies, pamphlet form, additional,	15 00
		Time for Corrections, &c. of 1,000 copies,	75
		Composition, 16 pages long primer and	
286		bourgeois type.....	15 87
		15 Copies License, 2 pages, folio,	
		25 do. do. do. 2d order, }	9 00
		120 do. do. do. 3d do., }	
		112 do. do. do. 4th do. with	
		corrections.....	5 50
			<hr/>
			\$129 00

SCHEDULE 3.

287

Boston, Dec. 24, '46.

DR. MORTON,

To O. P. Drake, Dr.

	For 7 Inhaling Instruments, at \$1.62,	\$11 37	
30.	" 1 Wire Hose.....	1 50	
	" Enlarging Mouth-piece, Instrument,	50	
Nov. 3.	" " " "	75	288
		<u>\$14 12</u>	
Oct. 8.	Rec'd Eight Dollars.....	8 00	
		<u>\$6 12</u>	

Rec'd payment,

O. P. DRAKE.

SCHEDULE 4.

289

DR. W. T. G. MORTON,

To J. B. Johnson & Co., Dr.

Nov. 6.	To one night's work in first Apparatus,	\$8 00	
" 18.	" Making 1 Apparatus, large size, with top-piece complete, and silver mouth-piece.....	12 00	
" 19.	" 1 small Apparatus, with silver mouth-piece.....	7 00	290
" 21.	" 1 Apparatus, with large silver mouth-piece; 1 small joint, with silver mouth-piece.....	11 00	
		<u>\$38 00</u>	

Rec'd Pay.,

JOSEPH B. JOHNSON & CO.

SCHEDULE 5.

W. T. G. MORTON, 19 Tremont Row,

To Boston Gas Light Co., Dr.,

Office, 102 Washington Street.

1846.

	Nov. 17.	To 24 far. $\frac{1}{2}$ in. iron pipe,	.25.....	\$6 00
		60 " $\frac{1}{2}$ " copper "	.30.....	18 00
292		1 " $\frac{3}{4}$ " T for iron.....		1 00
		2 " $\frac{1}{2}$ " T " "	.75.....	1 50
		1 " $\frac{1}{2}$ " T " copper.....		30
		5 " $\frac{1}{2}$ " L " "	.30.....	1 50
		1 " $\frac{1}{2}$ " Coupler "		30
		2 " $\frac{1}{2}$ " Connections, .50.....		1 00
		1 " $\frac{1}{2}$ " Union.....		75
		3 " $\frac{3}{8}$ " L for iron, .50.....		1 50
		1 " $\frac{3}{8}$ " Drop L for iron.....		60
293		1 Single Copper Pendant, 5 p. 10..		4 25
		1 " " " 4 " 8..		3 75
		4 " " Brackets, 2.00....		8 00
		1 Double " "		3 00
		5 Argand Burners, Holders, 1.50..		7 50
		5 Chimneys		62
		Fitting Entry Lantern for Gas.....		5 00
		1 $\frac{1}{2}$ far. $\frac{3}{4}$ in. Iron pipe, .25.....		37
		4 " $\frac{3}{4}$ " Comp. " .25.....		1 00
294		2 " $\frac{3}{4}$ " T 1.00.....		2 00
		1 " $\frac{3}{4}$ " Plug		25
		1 " $\frac{1}{2}$ " Cock.....		1 50
		4 " $\frac{1}{2}$ " Connections, .50.....		2 00
		1 " $\frac{1}{2}$ " Key.....		25
		7 $\frac{1}{2}$ " $\frac{1}{2}$ " Com. pipe, .25.....		1 87
		1 " $\frac{3}{4}$ " T		1 00
		1 " $\frac{3}{4}$ " Plug		25

1	"	$\frac{1}{2}$	"	Union for iron.....	0 75	295
1	"	$\frac{1}{2}$	"	Cock.....	1 50	
4	"	$\frac{1}{2}$	"	Connections, .50.....	2 00	
					<hr/>	
					\$79	31

SCHEDULE 6.

DR. W. T. G. MORTON, 296

To J. B. Johnson & Co., Dr.

1846.

Dec'r 4.	To 1	Inhaling Apparatus, silver mouth-				
		piece	\$6	00		
" 5.	Grinding old	brasses to New Globe..	0	50		
" 8.	5 Inhaling	silver Mouth-pieces.....	30	00		
" 11.	1	" " "	6	00		
" 12.	1	" Brass "	2	00		
" 12.	1	" Silver "	6	00		
" 14.	1	" " "	6	00	297	
" 15.	3	" " "	18	00		
					<hr/>	
					\$74	50

SCHEDULE 7.

DR. W. T. G. MORTON, 298

1846. To J. B. Johnson & Co., Dr.

Dec. 4.	To 1	Inhaler, silver mouth piece, 1,.	\$6	00
" 5.	"	Grinding old brasses to new globe,		50
" 8.	" 5	Inhalers silver mouth piece, five		
		ordered,	30	00
" 11.	" 1	Inhaler, silver mouth piece, 1,.	6	00
" 12.	" 1	Plain Apparatus, brass mouth		
		piece,	2	00

"	"	"	1	Inhaler silver mouth piece,	1,	6 00	299
"	14.	"	1	" " " "	1,	6 00	
"	15.	"	3	" " " "	3,	18 00	
"	16.	"	1	" " " "	1,	6 00	
"	17.	"	3	" " " "	3,	18 00	
"	19.	"	6	" " " "	6,	36 00	
"	"	"	1	" Miroon cove bottle,	1,	12 00	
"	23.	"	1	" silver mouth piece,	1,	6 00	
"	25.	"	1	" glass mouth piece,		4 50	300
"	25.	"	1	" silver " "	1,	6 00	
"	"	"	1	" " case extra finished.....	1,	11 50	
"	"	"	1	" " cheaper case..	1,	10 00	
"	26.	"	3	" " mouth piece.	1,	18 00	
"	31.	"	1	" glass " "	25,	4 00	
"	"	"	1	" " for pattern.....		4 00	

\$210 50

Received payment in full of all demands to this date. 301

J. B. JOHNSON & CO.

Jan. 16th, 1847.

SCHEDULE 8.

DR. Mr. W. T. G. MORTON, in acct. with N. E. Glass Co.

Warehouse, 97½ State street.

1846.

Dec.	9.	To invoice glass.....	3 00	302
"	11.	" "	15 00	
"	19.	" "	58 12	
"	31.	" "	34 25	

\$110 37

Received payment,

J. N. HOWE, JR. Agent, pp. L. S. BENT.

Feb. 6, 1847.

SCHEDULE 9.

303

DR. W. T. G. MORTON,

1847.

To J. B. Johnson & Co.

Jan.	2.	To 4 Inhalers, glass mouth piece,	16 00	
"	4.	4 " "	16 00	
"	5.	1 " "	4 00	
"	7.	6 " "	24 00	
"	11.	6 " "	24 00	
"	12.	28 " "	112 00	304
"	"	To boxing and packing the above,	1 00	
"	13.	1 case, extra finished.....	4 00	
			<hr/>	
			\$201 00	

Received payment in full of all demands to this date.

J. B. JOHNSON & CO.

Jan. 16, 1847.

SCHEDULE 10.

DOCTOR T. G. MORTON,

305

1847.

To Boston and Sandwich Glass Co.

Jan.	5.	To Glass ware as per bill.....	47 00	
"	9.	" " "	4 00	
"	12.	" " "	25 00	
"	13.	" " "	40 00	
Feb.	2.	" " "	50	
"	6.	" " "	93 00	
			<hr/>	
			\$209 50	305

SCHEDULE 11.

MR. W. G. T. MORTON,

To Dutton & Wentworth, Book and Job

1847. Printers, No. 37 Congress street, Boston.

Jan.	20.	To printing 100 copies acct. current, 1 to letter.....	3 50
------	-----	--	------

307	"	"	To printing 200 copies "Some account of the Letheon," &c.....	
	"	"	To printing 40 pages small pica and bourgeois, 8vo.....	
	"	"	To composition 26½ pages small pica at 70 cents.....	18 55
	"	"	To composition 13½ pages bourgeois at \$1.....	13 50
308	"	"	To 1 ream 2 quires paper at \$3..	3 30
	"	"	To press work 5 tokens at \$1....	5 00
	"	"	To extra corrections, &c.....	3 00
	"	"	To stitching, cutting and putting in plates.....	1 50
	May 14.		To printing 100 copies covers for "Letheon,".....	2 50
	" 21.		" 250 " second edition Morton's Account of Letheon, 50 pages, additional composition 18½ pages.....	7 87
309	"	"	To paper press work, &c.....	11 60
	"	"	To stitching &c. same.....	1 00
	June 14.		To printing 325 copies third edition Morton's Account of Letheon, additional composition 31½ pages 56,197, at 45.....	25 29
310	"	"	To paper and press work for 325 copies, sig. 7, 8, 9 and 10, 32 pages and 250 signatures, 1, 2, 3, 4, 5 and 6, 48 pages.....	18 60
	"	"	To 325 copies preface, 2 pages, paper, press work and 9 hours extra labor.....	6 00
	"	"	To stitching, &c.....	2 75

July 24.	To 2000 copies third edition of Morton's account of Letheon, 94 pages long primer and bourgeois (32 pages standing).....	311
" "	To composition on 62 pages long primer and bourgeois at 45 cts.,	45 45
" "	To press work 50 tokens at 90 cts.,	45 00
" "	To extra corrections, &c.....	4 00
" "	To 25 reams paper at \$2.....	51 00 312
" "	To printed covers, (500 double thickness).....	6 00
" "	To folding, stitching and putting on covers.....	25 00
" "	To 96 copies supplement to "some account of Letheon," 8 pages, 8vo., long primer and bourgeois,	9 20
Sep. 11.	To 40 copies advertisement "Great Discovery in Dental Surgery,"	5 00 313
" "	To 250 billets, agate.....	3 50
" 18.	To 200 billets additional.....	2 50
Oct. 2.	To 100 notices of book, agate, exclusive of paper.....	2 75
" "	To 100 notices for advertisement, minion.....	3 75
Nov. 13.	To 100 copies advertising sheet with additions.....	3 00 314
" "	To 1000 copies "Inhalation of Ether," 48 pages, gilt edge covers, &c. complete as per contract,	99 50
" "	To advertisement to same.....	7 50
		<hr/> \$436 91

SCHEDULE 12.

J. E. Linnell's account of expenses incurred
on his agency for W. T. G. Morton.

	Jan.	1.	To dinner.....	0 50
	"	"	Coach to depot.....	0 25
	"	"	Fare from Boston to Concord.....	1 75
	"	"	Expenses at Concord.....	0 65
316	"	3.	Fare from Concord to Boston.....	1 75
	"	"	Expenses at Nashua.....	0 15
	"	"	Coach to American Hotel.....	0 25
	"	4.	Hack to Fall River Depôt.....	0 25
	"	"	Fare to Fall River.....	1 35
	"	5.	Expenses at Fall River.....	1 35
	"	6.	Fare from F. R. to Boston.....	1 35
	"	"	Paid for box for apparatus.....	0 25
	"	"	Hotel bill from Sat. M. to Tues. P.M.	3 12½
317	"	5.	Hack to Depôt.....	0 25
	"	"	Fare from B. to N. York.....	5 00
	"	"	To supper and expenses on boat..	0 45½
	"	6.	To porter's fee.....	0 25
	"	"	To breakfast.....	0 25
	"	"	Freight on box from N. Y. to Phila.,	0 50
	"	8.	Fare from N. Y. to Pittsburg.....	17 00
	"	9.	Way expenses from Phila. to Steub.,	6 02
	"	"	Fare from Pittsburg to Steubenville,	1 25
318	"	13.	Expenses at Steubenville.....	3 40
	"	"	Fare fm. Steubenville to Wheeling.	1 00
	"	"	Expenses at Wheeling.....	1 00
	"	"	Fare from W. to Columbus.....	6 00
	"	14.	Expenses at St. Clairsville.....	0 75
	"	15.	Breakfast at Cambridge.....	0 25
	"	18.	Expenses at Zanesville.....	3 00
	"	"	Lunch at Jacktown.....	0 05

"	23.	Paid for draft on N. Y.....	0 50	319
"	25.	Expenses at Columbus.....	8 52½	
"	"	Fare from C. to Springfield.....	2 00	
"	"	Dinner at Fayetteville.....	0 37½	
"	"	Expenses at Springfield.....	0 75	
"	26.	Fare from St. Xenia.....	0 50	
"	27.	Expenses at Xenia.....	1 37½	
"	"	Fare from Xenia to Deerfield.....	0 90	
"	"	Dinner at Deerfield.....	0 20	320
"	"	Fare from D. to Lebanon.....	0 35	
"	28.	Expenses at Lebanon.....	1 00	
"	"	Fare from Lebanon to Dayton....	1 25	
"	30.	Expenses at Dayton.....	2 25	
"	"	Expenses from D. to Troy.....	0 75	
Feb.	1.	Expenses at Troy.....	1 50	
"	"	Expenses not otherwise accounted for, for the month of January..	4 00	
"	"	Fare to Springfield.....	1 25	321
"	"	Dinner at Springfield.....	0 25	
"	"	Fare from S. to Columbus.....	2 00	
"	2.	Expenses at Columbus.....	2 15	
"	3.	Fare from C. to Chillicothe.....	2 00	
"	"	Dinner at Circleville.....	0 37½	
"	5.	Expenses at Chillicothe.....	1 25	
"	"	Fare from C. to Circleville.....	1 00	
"	6.	Expenses at Circleville.....	1 00	
"	"	Fare from Cir. to Columbus.....	1 00	322
"	7.	Expenses at Columbus.....	1 65	
"	"	Fare from Colum. to Cincinnati...	4 00	
"	8.	Expenses at Cincinnati.....	1 00	
"	"	Breakfast at Xenia.....	0 25	
"	9.	Fare from Cinc. to Louisville.....	2 00	
"	"	Transporting baggage.....	0 20	
"	"	Fare from Louisville to Memphis..	7 00	

323	"	"	Expenses on boat to —	0 75
	"	12.	To portorage to hotel	0 25
	"	13.	Expenses at hotel at Memphis . . .	2 25
	"	"	Portorage to boat	0 25
	"	"	Fare to Vicksburg	6 00
	"	"	Expenses on boat	0 25
	"	16.	To portorage	0 25
	"	17.	Fare from V. to Jackson	3 00
324	"	18.	Expenses at Jackson	2 00
	"	"	Fare from J. to Vicksburg	3 00
	"	19.	Expenses at Jackson	1 87½
	"	"	Dinner at Bolton	0 56
	"	20.	Expenses at Vicksburg	3 36
	"	24.	Fare from Vicksburg to Cairo . . .	8 00
	"	"	Expenses at Cairo	0 38
	"	25.	Fare from Cairo to St. Louis	5 00
	"	28.	All other expenses for Feb	6 00
325	Mch.	2.	Expenses at St. Louis	6 10½
	"	"	Fare to Smithland	4 00
	"	4.	Dinner at Smithland	0 38
	"	5.	Fare from S. to Clarksville	4 00
	"	"	Expenses at Clarksville	0 70
	"	"	Fare from C. to Nashville	3 00
	"	10.	Fare from Nashville to Pitts	12 00
	"	"	Expenses at Nashville	4 90
	"	16.	Expenses at Cin	0 70
326	"	22.	Fare from P. to Phila	9 00
	"	27.	Way Expenses from P. to S	6 23
	"	29.	Expenses at Phila	1 18½
	"	"	Fare from N. Y. to B	5 00
	"	"	Way expenses from N. Y. to B . . .	1 00
	"	"	All other expenses for March	3 00

 \$218 80

SCHEDULE 13.

327

DR. W. T. G. MORTON,

In account with E. P. Ward.

To passage to New York, &c....	\$6 00	
“ Expenses at “ “	2 00	
“ Passage to Philadelphia.....	5 00	
“ “ and expenses to Pitts- burg	17 75	
“ Passage and expenses to Cin- cinnati.....	10 50	328
“ Passage and expenses to Louis- ville.....	4 00	
“ Expenses at Louisville.....	14 00	
“ Passage to Shelby and ex- penses.....	4 50	
“ Passage to Frankfort.....	2 37	
“ “ Lexington, &c....	2 00	
“ Board at “	31 92	329
“ Expenses passage to Cincinnati,	11 75	
“ Cincinnati to Lexington.....	8 00	
“ Expenses at “	2 00	
“ Passage to Louisville.....	5 00	
“ Passage to New Orleans.....	25 00	
“ Expenses at New Orleans, &c.,	30 00	
“ Passage to Natchez.....	6 00	
“ Expenses at “	3 00	
“ Passage to Vicksburgh.....	5 00	330
“ Expenses at “	2 75	
“ Passage to Jackson, Miss.....	10 00	
“ Expenses at “	3 00	
“ Passage to New Albany.....	10 00	
“ Expenses “ “	1 50	
“ Passage and expenses to Louis- ville.....	3 80	

331	" Passage to Alton and expenses,	15 00
	" " St. Louis and exp. .	11 25
	" " Paducah and exp. .	12 87
	" " Smithland and exp.,	4 25
	" " Madison.	13 75
	" " Ripley and Henderson, and expenses.	4 50
332	" Passage to Cincinnati and expenses, &c.	15 65
	" Expenses and dray on box Instruments.	6 90
	" Passage and exp. Gallipolis, .	10 25
	" " to Pittsburg and exp.,	
	" " Alleghany and Paris,	14 75
	" " Philadelphia and exp.,	15 00
	" " via New York to Boston and expenses.	14 50
333		<hr/>
		\$370 51
	To Notes.	75 00
		<hr/>
		445 51
	Cash on hand.	35 50
		<hr/>
		\$481 00

Rec'd payment,

E. P. WARD.

May 6th, 1857.

334

SCHEDULE 14.

Boston, July 8, 1847.

DR. W. T. G. MORTON,

Bought of William D. Ticknor & Co.

L. M. Gazette, Jan. to May inc. . .	4 92
Bri. & For. Med. Rev. Jan. & Ap.,	2 50

Ed. Med. and Surg. Jl. " "	4 00	335
Med. Chi. Rev. " "	4 00	
1 Dublin Jl. for May '47.....	1 67	
	<hr/>	
	\$17 09	

SCHEDULE 15.

Washington, Sept. 3, 1852.

DR. W. T. G. MORTON,

	To Jno. T. Towers, Printer, Dr.	336
June 30.	To amount of account to date....	\$100 00
"	To printing 10,000 copies Report, 104 pp. viz: To composition 104 pp. sm. pica, at \$1....	104 00
"	To cancelled matter, 12 pp. at \$1,	12 00
"	To 68½ reams paper at \$3.50....	239 75
"	To 280 tokens presswork at 42 cts.	117 60
"	To folding 70,000 sheets at 40 cts. per 1,000.....	28 00 337
"	To stitching, gathering &c. 10,000 at \$1.50.....	15 00
"	To folding and inserting plates, 10,000 at 50 cts.....	5 00
"	To 3 hours correcting, overrunning &c., and proofs, 40 cts....	14 40
"	To printing and comp. of 8 pages Certificates.....	8 00
"	To difference in paper on 350 copies Report.....	12 50 338
"	To 8 pages pamphlet letters, Sec. Navy, &c.....	8 00
"	To 30 copies pamphlet letters, Sec. Navy.....	2 50
"	To addition to Report, 16 pages, 10,000 copies.....	76 05

239	"	To alterations &c., 7.50, 2 pages canceled, \$2.....	9 50
	"	To overrunning and making up two last forms.....	5 00
	"	To presswork &c. 50 copies Report, two forms.....	6 50
	"	To 250 copies Report, three forms, and cutting.....	13 50
340	"	To comp. 8 pages sm. pica.....	8 00
	"	To do. 2 " brevier.....	3 50
	"	To 200 copies Report, three forms and cutting.....	11 50
	"	To 100 covers for Report and printing same.....	2 00
	"	To 2,000 copies "Statement," 32 pages.....	82 43
	"	To 2,000 copies "Full Exposure," (K) 64 pp.....	136 00
341	"	To folding and stitching same...	5 40
	"	To cutting same.....	2 50
	"	To enveloping 2,000 copies "Statement".....	3 00
	"	To 300 copies Brief, 24 pp. heavy paper.....	83 00
	"	To 300 copies Brief, 8 pp. pica..	14 00
	"	To 250 copies Note to Brief and pasting.....	3 50
342			
			<hr/> \$1,132 13
		By cash....	300 00
			<hr/> \$832 13
		By cash....	700 00
			<hr/> \$132 13

Received Payment in full.

JNO. T. TOWERS.

Sept. 3, 1852.

SCHEDULE 16.

343

DR. W. T. G. MORTON,

1853.

To A. Boyd Hamilton.

Jan. 21-30	For composition of 650 pages at		
	\$1 25.....	812 50	
" "	For press work, 72 tokens at \$1..	72 00	
" "	For papers, 21 reams.....	189 00	
		<hr/>	
		\$1,073 50	344
Jan. 5.	For re-composition 2 pages.....	2 50	
" "	For altering form.....	50	
" "	For 14 proof sheets and messen- gers 70 cents, 50 cents.....	1 20	
" 6.	For 3 proof sheets and messen- gers 15 cents, 50 cents.....	65	
" 8.	For 10 proof sheets and messen- gers 50 cents, 25 cents.....	75	
" 10.	For 3 proof sheets.....	15	345
" "	For 5 signatures press work can- celled hand press.....	5 00	
" "	For 13 signatures hand press 20 copies.....	13 00	
" "	For re-composition of 1 page.....	1 25	
" "	For 16 hands' time, 45 minutes each, detained waiting for the copy taken away by Dr. M.	3 00	
" "	For re-imposing form of Memorial,	50	
" "	For folding and stitching Testi- mony, 13 forms 20 copies.....	75	346
" "	For hand press on Memorial.....	1 00	
" "	For additions to Memorial, 1 page extra.....	1 25	
" "	For alterations to Memorial.....	75	
" "	For transcribing.....	1 00	

347	" "	For 20 copies index, 20 copies Memorial.....	1 00
	" 11.	For 14 extra proofs.....	70
	" "	For 400 copies Memorial and Petition.....	4 00
	" "	For 3 hours, shifting forms.....	1 50
	" 12.	For 10 extra proofs and messenger,	1 00
	" "	For extra sorts for use of Dr. M—— and expenses.....	15 08
348	" "	For 50 per cent off and purchase.....	7 54
	" 13.	For overrunning 32 pages.....	1 60
	" "	For 3 hours corrections Whitney's Testimony and Additions.....	1 50
	" "	For 15 extra proofs.....	75
	" "	For 2 hours corrections on Whitney's revise.....	1 00
349	" 16.	For foot notes and over-running on Minority report 60 hours...	30 00
	" "	For 50 sheets proof impressions..	2 50
	" 17.	For 15 extra proof sheets.....	75
	" 18.	For 5 extra proof sheets and messenger 25 cents, 50 cents...	75
	" 19.	For 5 hours corrections to Memorial	2 50
	" "	For 20 hours corrections on Majority report.....	10 00
350	" "	For 15 extra proof sheets.....	75
	" 22.	For 30 copies Whitney's Testimony.....	2 00
	" 24.	For 5 hands' time, 1 hour each (copy detained).....	2 50
	" "	For 3 proof sheets.....	15
	" "	For re-composition (1 page) Poore,	1 25

"	25	For final corrections 103 hours...	51 50 351
"	"	For extra pressmen employed by direction.....	9 00
"	"	For 2 hours detention of press power.....	4 00
"	26.	For 30 copies Letters, 2 Signa- tures.....	2 00
"	"	For extra per centage, 30 per cent on \$12 50.....	3 75 312
"	"	For 1000 copies hand press, 2 jobs,	5 00
"	31.	For folding and gathering.....	25 00
			<hr/> \$1,280 74

SCHEDULE 17.

Washington, March 7th, 1853.

DR. W. T. G. MORTON,

353

To John Tretler, Dr.

Jan.	31.	Binding 6 vols. in $\frac{1}{2}$ calf, \$1.....	\$6 00	
Feb.	2.	do. 6 vols. in $\frac{1}{2}$ morocco, 30c.	1 80	
		Lettering 6 names, $12\frac{1}{2}$ c.....	75	
"	4.	Binding 31 vols.....	9 30	
		Lettering 25, $12\frac{1}{2}$ c.....	3 12 $\frac{1}{2}$	
"	6.	Binding 4 vols.....	1 30	
		Lettering 3.....	37 $\frac{1}{2}$	
"	9.	Binding 77 vols., at 30c.....	23 10	354
		Lettering 38, at $12\frac{1}{2}$ c.....	4 75	
"	10.	Stitching and cutting memorials...	62	
		do. Binding 12 vols., at 30c.	3 60	
		Lettering 11, at $12\frac{1}{2}$ c.....	1 25	
		Binding 1 fine, Mrs. Sutherland..	75	
		Lettering do.	12 $\frac{1}{2}$	
"	21.	Binding 1 vol. Letters.....	2 25	

355	Mar. 3.	Binding 10 vols., at 30c.....	3 00
	" 7.	do. 77 " "	23 10
		do. 9 " fine, at 75c.....	6 75
		Stitching 211 copies, at 3cts.....	6 33
		Cutting 10,500 reports, \$1.....	10 50
		Inserting and Stitching Report for 179 copies, 3 cts.....	5 37
		Putting label over 56 names, 3cts.,	1 68
356		Enveloping 220 copies, 3cts.....	6 60
		Re-enveloping 77 do 3cts.....	2 31
		1½ quires paper, 37½c.....	56
		2 Boxes and Packing.....	1 00
		1 " do.	37½
		Hauling to Georgetown.....	75
		Hauling 1 box to the Hotel.....	25
			<hr/>
			\$127 66

Received payment,

357

JOHN TRETLEK.

SCHEDULE 18.

Dr. W. T. G. MORTON,

To W. B. Walworth, Cashier, Dr.

1854.

Jan. 13.	To dispatch to Flagg, Bost. 16 wds.,	\$1 17
16.	" " " " do. 6 "	75
19.	" " " " do. 3 "	75
26.	" " Mrs. McComas, Balt.	
	23 wds.,	33
"	" " Mrs. Morton, Balt.,	
	7 wds.,	20
30	" " G. H. P. Flagg, Bost.	
	10 wds.,	75
		<hr/>
		\$3 95

WM. B. WALWORTH, Cashier.

SCHEDULE 19.

355

DR. W. T. G. MORTON in acct. with Wm. B. Walworth,
1854. Cashier N. Y. & W. Printing Telegraph Co. Dr.

July 3.	Message to G. H. P. Flagg,		
	Boston, 6 words.....	90	
" 6.	Message to Tuckerman, Boston,		
	7 words.....	90	
" 14.	Message to Flagg, Boston, 8 words,	90	356
" 18.	" " Tuckerman, Boston, 9		
	words.....	90	
" 20.	Message to L. A. Godey, Philadel-		
	phia, 4 words.....	30 00	
" 22.	Message to Flagg, Boston, 16		
	words.....	1 38	
" "	Message to Tuckerman, Boston,		
	17 words.....	1 46	
" 23.	Message to Tuckerman, Boston, 8		357
	words.....	90	
" 24.	Message to Flagg, Boston, 14		
	words.....	1 22	
" "	Message to Dr. Cummings, Boston,		
	8 words.....	90	
" 25.	Message to Flagg, Boston, 8 words,	90	
" 26.	" " 4 words,	90	
" 27.	Message to Tuckerman, Boston,		
	33 words.....	2 74	358
" "	Message to Flagg, Boston, 6 words,	90	
" "	Message to Tuckerman, Boston,		
	29 words.....	2 42	
" 28.	Message to Tuckerman, Boston,		
	8 words.....	90	
" "	Message to Mrs. Hale, Philadel-		
	phia, 12 words.....	36	

359	"	"	Message to Tuckerman, Boston,	
			10 words.....	90
	"	31.	Message to Tuckerman, Boston,	
			4 words.....	90
				<hr/>
				\$20 78

Received payment, Aug. 5, 1854.

WM. B. WALWORTH, Cashier.

360 Washington, D. C., July 31, 1854.

SCHEDULE 20.

Washington, Aug. 7th, 1854.

DR. W. G. T. MORTON,

To G. S. Gideon, Dr.

361	To printing &c. 4 editions of pamphlet "Anæsthetic Agents," (72 copies in all,) 49 pages at \$2 per page.....	93 00
	To printing &c. 2 editions of pamphlet "Copy of Letters Pat- ent", (37 copies in all) 8 pages at \$2.....	16 00
362	To printing, &c. 25 copies "Opinion and Argument," 18 pages at \$2.....	36 00
		<hr/>
		\$150 00

Received payment,

W. C. GREENLEAF,

For G. S. GIDEON.

SCHEDULE 21.

363

DR. W. T. G. MORTON in account with Wm. B.		
1555.	Walworth, Cashier, House Telegraph Co. Dr.	
Feb. 5.	Message to Tuckerman, Boston, 5	
	words.....	90
" "	Message from Tuckerman, Boston,	
	5 words.....	90
" 8.	Message to Tuckerman, Boston,	
	8 words.....	90 364
" 9.	Message to Montague, Kingston,	
	New York, 9 words.....	75
" 12.	Message to Tuckerman, Boston,	
	3 words.....	90
" 14.	Message to Montague, Kingston,	
	10 words.....	75
" 15.	Message to Tuckerman, Boston,	
	4 words.....	90
" 18.	Message Morton & Campbell to	365
	G. H. P. Flagg, 27 words.....	2 26
" 20.	Message to G. H. P. Flagg, 10	
	words.....	90
" 24.	Message to Tuckerman, 20 words,	1 70
Mch. 2.	Message to Flagg, 10 words.....	90
		<hr/>
		\$11 76

Received payment,

March 4, 1855, WM. B. WALWORTH, *Cashier.* 366

SCHEDULE 22.

DOCTOR WM. T. G. MORTON,

To Pudney & Russell, Printers,

79 John Street, N. Y.

1858. To account Bill rendered for Comp.

Oct. 10. and Ster..... \$314 15

367	"	18.	To printing and mailing Circulars, &c.....	16 00
	"	"	To Advertising in Evening Post,	9 00
Dec.	30.	"	printing 400 Titles, &c.....	12 50
"	"	"	Advertising in Commercial Ad-	
"	"	"	vertiser.....	9 57
1859.			To Printing Paper and binding	
Jan.	7.		1,000 copies "Trials".....	300 00
368	Feb.	7.	To Cash paid William Pate Hall's bill Engraving.....	70 00
	"	"	To Envelopes 3,000.....	3 00
	"	"	" Wrapping Paper, 42 rs.....	1 25
	"	9.	" Printing 100 Show Bills.....	4 00
	"	"	" " 20 Cards with en-	
			gravings.....	4 00
	"	"	To printing 100 wrappers for Editors.....	I 50
369	"	"	To printing 3,000 Circulars, various kinds, 4 pp. &c.....	24 00
	"	10.	To Postage Stamps.....	34 50
	"	14.	" do on Circulars.....	4 31
	"	"	To writing Envelopes.....	13 25
	"	"	" Printing 12 copies, 8 pp.Names,	12 00
	"	"	To postage on Circulars.....	1 80
Mch.	2.	"	Advertising in Evening Post..	27 53
	"	16.	do. " Tribune.....	43 40
	"	25.	do. " Commercial Ad-	
			vertiser.....	9 57
370	June	25.	To express expense on Books returned.....	1 00
	July	8.	To advertising in Philad'a Papers,	26 40
	"	"	" " in Baltimore Papers,	20 00
	"	"	To express expenses on Books returned.....	1 00
	"	11.	* To legal expenses in suit against Ten Governors.....	200 00
				<hr/>
				\$1,664 33